

ACIDIC PRECIPITATION IN ONTARIO STUDY

ACID SENSITIVITY SURVEY OF LAKES IN ONTARIO

APIOS 003/82

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Ontario

Ministry
of the
Environment

The Honourable
Keith C. Norton, Q.C.,
Minister

Gérard J. M. Raymond
Deputy Minister

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ACIDIC PRECIPITATION IN ONTARIO STUDY

ACID SENSITIVITY OF LAKES IN ONTARIO

APIOS REPORT.
No. 003/82

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PREFACE

This report summarizes data collected between the spring of 1980 and summer of 1981 for lakes in Ontario pertaining to their sensitivity to acidification. Information collected prior to the spring of 1980 was published as A.P.I.O.S. Report No. 002/81. The lakes are divided by county or district and listed alphabetically within each such division. For each lake, the location (township, latitude and longitude), the study or report providing the data, and the date of sampling are listed. Alkalinity, pH, conductivity, colour and calcium concentration for each lake are included whenever available.

Alkalinity is a measure of the acid neutralizing capacity of an aquatic ecosystem that is buffered by the carbonic acid-bicarbonate-carbonate chemical system. For the purpose of this publication the inflection point alkalinity is abbreviated to TIA and fixed endpoint alkalinity to TFA. The alkalinity of each lake is reported in units of microequivalents per litre ($\text{1mg CaCO}_3 \text{ L}^{-1} = 20 \text{ueq L}^{-1}$). Although there are many more historical alkalinity data available, TFA analytical techniques used prior to 1979 render the results for low alkalinity lakes (i.e. the most sensitive lakes) inadequate for assessing their buffering capacity. However, the historical method (TFA) of measuring alkalinity is satisfactory for high alkalinity lakes, so those lakes that are not acid sensitive can be identified. As a rough guideline, lakes are subjectively categorized as follows: lakes with an alkalinity $\leq 0 \text{ ueq L}^{-1}$ should be considered acidified (a negative alkalinity value indicates that a lake is already acidic and provides a measure of the degree of acidity), lakes with alkalinity between 0 and 40 ueq L^{-1} as having extreme sensitivity, lakes between 40 and 200 ueq L^{-1} as having moderate sensitivity, lakes between 200 and 500 ueq L^{-1} as having low sensitivity, and $\geq 500 \text{ ueq L}^{-1}$ as not sensitive to acidification.

Table 1 summarizes the percentage of lakes in each category by county and district. This summary includes data from both the previous (A.P.I.O.S. Report No. 002/81) and present report. The reader is cautioned against concluding that the percentage of lakes in each alkalinity class reflects the sensitivity of all the lakes in a geographical area since lakes were not always selected randomly.

Conductivity is a measure of the total ionic concentration of a waterbody. It is affected by the calcium, magnesium, sodium, potassium, bicarbonate, chloride, sulphate and nitrate content of the water. The contribution of the hydrogen ion is negligible for neutral waters but becomes increasingly significant as the pH decreases below 5. Conductivity is reported in micromhos per centimeter ($\mu\text{mhos cm}^{-1}$) corrected to a standard temperature of 25°C.

Calcium and conductivity are both secondary indicators of lake sensitivity in that low calcium and low conductivity usually correspond to low alkalinity. Calcium concentration is reported in microequivalents per litre ($\mu\text{eq L}^{-1}$) where $1 \mu\text{eq L}^{-1} = 0.020 \text{ mg Ca L}^{-1}$. Calcium values were determined by manual compleximetric titration with EDTA or by Atomic Absorption Spectrophotometry.

Interpretation of these results must keep in perspective both the precision and the seasonal nature of such measurements. Analytical error and sampling error result in an accuracy of about $\pm 10\%$. The seasonal variation inherent in any lake measurements is such that a result from a single point in time is not an accurate representation of the annual chemistry of the lake.

Future work will include an analysis of these data in a geological framework so that sensitivity maps for the province can be prepared.

Inquiries regarding this report should be directed to the Information Services Branch, Ministry of the Environment (416) 965-7117.

Lake Classification

The five sensitivity categories established for Table 1 are somewhat arbitrary since studies which can quantify the acidification rates of lakes of differing buffering capacities are not yet complete. Nevertheless they are based on current understanding of lake sensitivity and as such can provide a limited or preliminary answer to the question - is my lake being affected by acid rain?

It is not possible to perform biological surveys in every lake of the Province. Detailed surveys are being conducted in a few lakes and effects of acid inputs on the biota in these lakes are related to a simple measurement, namely alkalinity, which can be made in a large number of lakes. Knowing the alkalinity of a given lake, the state of the biota of that lake may be approximated from the alkalinity of lakes where intensive biological surveys have been performed. This assessment will, unavoidably be wrong in some individual lakes.

Small variations in alkalinity between years do not indicate an improving or deteriorating water quality. Trends must be established by intensive measurements over several years.

Where more than one alkalinity value is listed for a lake, an average of the values has been used to assign the sensitivity category. Categorization of specific lakes can of course change depending on the initial alkalinity of the lake, rates of acid input and watershed characteristics.

A complete evaluation of the biological effects associated with each category is not yet available, however some general conditions which can be expected to apply to each category are listed below.

"Acidified" Lakes (A)

These lakes have zero or negative alkalinity. The pH will usually be less than or equal to 5.0 (some lakes may be this acidic naturally, such as Sphagnum bogs). Fish populations will be severely stressed. Many species may be extinct or the lake may be without fish. Lakes that are not naturally high in organic colour, such as beaver ponds, will be exceptionally clear. Clouds of algae may accumulate in the inshore area. Clam, snail, and many amphibian species will be absent.

Extreme Sensitivity (ES)

These lakes have very low alkalinity, but the pH itself will probably not be toxic to most of the biota for most of the year. The pH will almost certainly be depressed during spring snow melt and fish kills and other biological damage may occur at that time.

Moderate Sensitivity (MS)

These lakes will have acceptable pH values for most of the year. In areas experiencing heavy acid loading the pH may be depressed significantly in certain lakes during snow melt especially if the melt proceeds rapidly. Since the pH will be less frequently depressed than in the extreme sensitivity category, the biota will be less at risk.

Low Sensitivity (LS)

Lakes in this category are likely to experience serious low pH and biological damage only under very extreme snow melt conditions.

Not Sensitive (NS)

Lakes in this category contain sufficient buffering capacity to neutralize acidic rain for an indefinite period of time. Snow melt will not depress the pH sufficiently to result in biological damage.

TABLE 1: Summary of the Percentage of Lakes in each Alkalinity Class by County or District and for Ontario.

County or District	Percentage of Total Number of each Alkalinity Class					Total No. of Lakes Evaluated
	Acidified (≤ 0 ueq L ⁻¹)	Extreme Sensitivity (> 0 to 39.9 ueq L ⁻¹)	Moderate Sensitivity (40 to 199 ueq L ⁻¹)	Low Sensitivity (200 to 499 ueq L ⁻¹)	Not Sensitive (> 500 ueq L ⁻¹)	
Algoma Dist.	4	14	46	20	17	449
Bruce Co.	.	.	.	.	100	7
Cochrane Dist.	.	1	6	15	78	90
Durham Co.	.	.	.	.	100	1
Frontenac Co.	.	.	.	10	90	68
Grey Co.	.	.	.	.	100	3
Haliburton Co.	2	28	42	16	12	193
Hastings Co.	.	.	25	15	60	73
Huron Co.	.	.	.	.	100	1
Kenora Dist.	.	.	12	26	62	116
Lanark Co.	.	.	.	.	100	17
Leeds Co.	.	.	.	.	100	26
Lennox & Addington Co.	.	.	41	12	47	32
Manitoulin Dist.	49	30	3	3	15	33
Middlesex Co.	.	.	.	.	100	1
Muskoka Dist.	1	24	65	3	8	160
Nipissing Dist.	.	10	68	19	3	119
Northumberland Co.	.	.	.	.	100	1
Ontario Co.	.	.	.	.	100	5
Parry Sound Dist.	3	26	63	7	1	179
Peel Co.	.	.	.	.	100	1
Peterborough Co.	.	3	13	11	73	55
Prince Edward Co.	.	.	.	.	100	3
Rainy River Dist.	.	3	64	20	13	99
Renfrew Co.	1	3	20	26	50	105
Simcoe Co.	.	.	.	.	100	7
Stormont Co.	.	.	.	.	100	1
Sudbury Dist.	18	23	28	11	20	325
Thunder Bay Dist.	.	3	28	25	45	311
Timiskaming Dist.	14	14	23	23	27	109
Victoria Co.	.	.	.	56	44	27
York Co.	.	.	.	.	100	2
Provincial Total (Number of Lakes)	5 (118)	13 (331)	35 (929)	16 (430)	31 (811)	2619

APPENDIX

Summary of data sources used to compile the information in this survey.

	Summary or Source Symbol
1	Ministry of Natural Resources
2	Ministry of the Environment - Limnology and Toxicity Section
3	Zimmerman, A.P., and H.H. Harvey, 1979. Sensitivity to acidification of waters of Ontario and neighbouring States. Final report for Ontario Hydro.
4	Ministry of the Environment - Southeastern Region
5	Ministry of the Environment - Central Region
6	Ministry of the Environment - Northeastern Region
7	Ministry of the Environment and Ministry of Natural Resources Combined study on Sudbury area lake trout lakes
8	Ministry of the Environment - Northwestern Region
9	Ministry of the Environment - Ministry of Natural Resources Combined Studies
10	Ministry of the Environment - Recreational Lakes Project (1970-1974)
11	Ryder, R.A., 1964 Chemical characteristics of Ontario Lakes. Dept. of Lands and Forests, Section Report (Fisheries) No. 48
12	Sparling, J.H., and C. Nalewajko, 1970. Chemical composition and phytoplankton of lakes in Southern Ontario. J. Fish. Res. Bd. Canada 27:1405-1428

- 13 Kramer, J.R., 1979.
Geochemical factors and terrain response
to environmental contaminants;
unpublished report. 78 p.
- 14 Ministry of the Environment, 1978.
Sudbury Environmental Study Report.
Extensive monitoring of lakes in the
Greater Sudbury area, 1974-1976.
- 15 Stokes, P. (unpublished data)
Botany Department
University of Toronto
- 16 OWRC 1969, 1970, 1972, 1973:
Water Resources Bulletin 1-1 (1966-68)
1-2 (1968-69)
1-3 (1970)
- 17 Ministry of Natural Resources -
Temagami District Lake Trout Lakes

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Admiral	Juillet	4626	8258	03/81	7	6.28	35		91.8			MS
Airport	Gervais	4651	8207	08/80	1	6.39	31		46.0			MS
Alexandra	Dunphy	4819	8433	09/80	1	7.00	57		212.0			LS
Allan	Hughson	4633	8228	03/81	7	5.96	29		53.0			MS
Alvin	Raaflaub	4716	8417	08/80	1	4.96	20		-16.0			A
Anaharea	Doucett	4837	8441	07/80	1	7.79	111		1,186.0			NS
Anjigami	Nebonaionquet	4750	8436	07/80	1	6.48	41		144.0			MS
Anvil	Handleman	4704	8331	08/80	1	6.65	31		132.0			MS
Apisabigo	Abigo	4828	8344	07/80	1	6.92	54		336.0			LS
Archambeau	Poncet	4636	8226	03/81	7	5.68	36		43.6			MS
Armour	Hoffman	4705	8339	06/80	1	6.47	34		58.0			MS
Army	Yaremko	4652	8241	08/80	1	7.00	36		132.0			MS
Arnott	Arnott	4936	8436	07/80	1	8.25	194		2,230.0			NS
Aubrey	Rollins	4654	8311	07/80	1	7.65	94		522.0			NS
Barbara	Raaflaub	4716	8420	08/80	1	5.05	20		-12.0			A

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Bark	Assad	4654	8228	03/81	7	6.71	44		172.0			MS
Beak	Gaunt	4713	8312	07/80	1	7.20	47		196.0			MS
Beaton	Gourlay	4853	8448	07/80	1	7.55	132		1,020.0			NS
Belanger	Asselin	4738	8451	09/80	1	6.53	37		58.0			MS
Bell #29	Poncet	4634	8223	03/81	7	6.20	33		42.2			MS
Bellows	Deagle	4619	8220	03/81	7	6.00	32		44.6			MS
Berry	Tabobondung	4743	8415	09/80	1	6.00	37		82.0			MS
Bevans	Sagard	4640	8245	03/81	7	6.71	36		112.2			MS
Beyond	Worton	4648	8244	03/81	7	6.46	26		88.8			MS
Bierce	Thorp	4648	8256	03/81	7	6.27	31		81.4			MS
Big	Albanel	4632	8259	03/81	7	6.43	31		85.2			MS
Big Pike	Raaflaub	4714	8421	08/80	1	5.17	20		- .10			A
Big Skunk	Arnott	4936	8433	07/80	1	8.05	217		2,742.0			NS
Big Trout	Slievert	4643	8301	03/81	7	6.64	38		130.0			MS
Bilton	Viel	4641	8237	03/81	7	6.63	45		199.8			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Black	Le Caron	4638	8302	03/81	7	6.41	42		99.2			MS
Black Beaver	Greenwood	4724	8430	06/80	1	5.35	20		-0.8			A
Blue Sky	Sagard	4638	8246	03/81	7	6.02	32		47.6			MS
Bobowash	Raimbault	4653	8247	03/81	7	6.23	33		67.6			MS
Bojack	Tupper	4649	8415	05/80	1	6.75			70.0			MS
Boland	Fabbro	4648	8231	03/81	7	6.62	41		139.0			MS
Bouchard (Barrow)	Bryant	4848	8528	08/80	1	7.84	167		1,580.0			NS
Boumage (Brush)	Fontaine	4653	8226	03/81	7	5.80	32		23.6			ES
Bourinot	Bourinot	4905	8300	07/80	1	7.25	114		1,374.0			NS
Brant	Lalibert	4816	8454	09/80	1	7.20	166		514.0			NS
Bright	Bright	4616	8318	07/80	1	7.25	71		316.0			LS
Brillant	Jarvis	4641	8409	05/80	1	5.85			34.0			ES
Brothers	Riggs	4819	8413	09/80	1	8.10	205		1,732.0			NS
Buffington	Chelsea	4909	8449	07/80	1	7.90	183		2,524.0			NS
Campover	Piche	4639	8228	03/81	7	6.37	36		95.2			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Canyon	Joubin	4625	8234	03/81	7	6.56	43		182.8			MS
Cawdron	Bird	4814	8420	07/80	1	7.16	83		438.0			LS
Caysee	Slater	4711	8440	06/80	1	6.15	28		28.0			ES
Center	Nicholas	4634	8254	03/81	7	6.25	54		240.6			LS
Chartrand	Debassige	4810	8420	09/80	1	6.64	46		82.0			MS
Chub	Gould	4631	8323	08/80	1	7.05	42		84.0			MS
Church	Laforme	4803	8406	09/80	1	6.41	36		62.0			MS
Cobre	Sagard	4638	8248	08/80	1	7.95	91		552.0			NS
Colette	Tiernan	4744	8449	07/80	1	6.38	96		88.0			MS
Commander	Juilette	4625	8257	02/81	7	6.61			37.4			ES
Constance	Parkinson	4626	8314	02/81	7	6.80			145.0			MS
Cooper	Oscar	4903	8259	07/80	1	7.15	116		1,286.0			NS
Cormier (Uranium)	Buckles	4631	8229	03/81	7	6.52			32.4			ES
Corner	Gaiashk	4627	8226	03/81	7	6.17	31		49.2			MS
Craig	Simpson	4838	8414	07/80	1	7.54	114		806.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Crazy	Nicholas	4636	8253	03/81	7	6.33	46		208.4			LS
Cree	Haig	4914	8441	07/80	1	7.75	163		1,812.0			NS
Crescent	Peever	4717	8433	07/80	1	6.22	26		66.0			MS
Crooked	Jarvis	4640	8407	05/80	1	6.15			36.0			ES
Crystal	Esquega	4802	8438	08/80	1	8.72	116		988.0			NS
Dayohessarah	Odlum	4847	8502	07/80	1	7.41	106		1,078.0			NS
Dead	Hoffman	4707	8336	06/80	1	7.17	43		166.0			MS
Deil	Whitman	4647	8357	06/80	1	6.91	38		96.0			MS
Deschamp	Poncet	4635	8226	03/81	7	5.83	33		59.8			MS
Dicey	McMurray	4756	8446	08/80	1	8.25	111		1,116.0			NS
Dobie	Albanel	4633	8301	03/81	7	6.49	34		116.0			MS
Dog	Riggs	4817	8408	08/80	1	7.52	85		574.0			NS
Dollyberry	Raimbault	4633	8247	03/81	7	6.11	28		32.6			ES
Dore	Bostwick	4800	8456	08/80	1	6.78	57		246.0			LS
Dougall	Le Caron	4640	8300	03/81	7	6.67	44		195.6			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Dow (#4)	Strain	4636	9209	01/81	7	6.06	28		19.2			ES
Dowsley	Dowsley	4923	8423	07/80	1	7.80	109		1,044.0			NS
Dubbelewe	Yaremko	4650	8239	06/80	1	6.65	23		56.0			MS
Duval	Slievert	4643	8304	03/81	7	6.69	37		151.8			MS
Eaglet	Legarde	4809	8518	08/80	1	6.58	30		136.0			MS
Elinor	Plourde	4640	8223	03/81	7	6.26	36		57.4			MS
Elizabeth	Duncan	4637	8409	06/80	1	6.65	31		64.0			MS
Endikai (White)	Albanel	4635	8302	03/81	7	6.85	47		186.6			MS
Esnagi	Cudney	4836	8433	07/80	1	7.68	106		812.0			NS
Ezma	Nicholas	4633	8251	03/81	7	7.02	54		328.2			LS
Fenton	Dulhut	4751	8453	07/80	1	6.83	80		362.0			LS
Fern	Whitman	4644	8352	06/80	1	7.02	40		108.0			MS
Finn	Simons	4643	8310	03/81	7	6.42	37		134.6			MS
Five Star (#56)	Fontaine	4649	8224	01/81	7	6.23	30		33.0			ES
Flying Goose	Joubin	4624	8233	07/80	1	7.30	39		108.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Folson	Gerow	4625	8125	03/81	7	6.22	28		67.6			MS
Forge	Cowie	4811	8428	08/80	1	7.32	58		550.0			NS
Fulcher	Waswa	4744	8408	09/80	1	6.19	37		108.0			MS
Fungus	Dahl	4819	8458	08/80	1	7.31	69		362.0			LS
Gaff	Nicholas	4633	8254	03/81	7	6.35	29		78.0			MS
Gamitagama	Tiernan	4739	8446	07/80	1	6.00	23		32.0			ES
Gibbery	Raimbault	4632	8248	03/81	7	6.06	26		22.6			ES
Gibson	(unorganized)	4820	8520	07/80	1	6.86	67		376.0			LS
Gould	Sampson	4749	8417	07/80	1	5.79	27		34.0			ES
Government	Lessard	4912	8453	07/80	1	7.35	116		1,206.0			NS
Grandeaur	Esten	4619	8236	03/81	7	6.41	121		153.2			MS
Green	Beange	4629	8247	03/81	7	6.35	32		63.2			MS
Greig	Brimacombe	4729	8448	07/80	1	4.98	28		-6.0			A
Grey Owl	Runnalls	4616	8412	08/80	1	5.01	19		-6.0			A
Grey Trout	Veil	4639	8242	03/81	7	6.56	40		112.6			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Gull Beak	Bolger	4624	8245	03/81	7	6.86	46		214.2			LS
Gusty	Beange	4629	8246	03/81	7	5.75	26		32.4			ES
Hammer	Alanen	4824	8506	08/80	1	6.87	100		406.0			LS
Hanmer	Piche	4643	8232	03/81	7	6.12	38		79.4			MS
Harold	Poncet	4635	8226	03/81	7	5.89	36		70.6			MS
Harry	Hughson	4634	8228	03/81	7	5.89	29		55.2			MS
Hart	Aberdeen Add'l	4631	8351	06/80	1	7.05	34		118.0			MS
Hat	Poulin	4640	8236	03/81	7	6.63	42		125.2			MS
Henry	Laronde	4749	8453	07/80	1	6.60	165		256.0			LS
Hider	Beebe	4658	8207	01/81	7	6.15	32		23.2			ES
Horseshoe	LeCaron	4642	8304	03/81	7	6.70	33		112.2			MS
Horner	Shingwaukonce	4640	8332	08/80	7	6.69	33		56.0			MS
Hubert	Larson	4719	8427	08/80	1	5.50	20		-4.0			A
Huff	Smilsky	4711	8434	06/80	1	6.77	31		94.0			MS
Ireland	Leclaire	4813	8447	09/80	1	6.80	53		222.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Iron	Keating	4814	8516	08/80	1	6.96	54		258.0			LS
Jarvis	Jarvis	4641	8410	05/80	1	6.05			22.0			ES
Jeanne	Beebe	4655	8211	08/80	1	6.35	27		52.0			MS
Jobamageeshig	Gould	4631	8324	08/80	1	6.80	47		100.0			MS
Kaginagakog	Tedder	4842	8502	07/80	1	7.64	104		946.0			NS
Kakakiwibik	Abraham	4836	8505	07/80	1	7.59	103		958.0			NS
Kawaweagama	McGowan	4831	8501	07/80	1	7.26	74		504.0			NS
Kecil	Victoria	4616	8218	03/81	7	6.19	33		53.6			MS
Keelor	Kamichisitit	4630	8257	03/81	7	6.41	35		98.2			MS
Kings	Proctor	4622	8231	07/80	1	7.10	43		120.0			MS
Kinniwabi	Pawis	4755	8420	09/80	1	6.98	49		256.0			LS
Kirk	Le Caron	4640	8305	03/81	7	5.57	23		4.6			ES
Kirkpatrick (Blue)	Le Caron	4639	8305	03/81	7	6.65	36		120.8			MS
Klondyke	Strain	4636	8206	08/80	1	6.20	27		34.0			ES
Kwagama	Greenwood	4727	8435	07/80	1	5.60	22		10.0			ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Lear	Scarfe	4619	8301	08/80	1	6.50	31		34.0			ES
Lillybet	Nicholas	4633	8257	03/81	7	6.50	31		87.8			MS
Little Agawa	Larson	4721	8423	08/80	1	5.58	23		6.0			ES
Little Chelsea	Chelsea	4908	8451	07/80	1	8.10	192		2,210.0			NS
Little Chiblow	Montgomery	4621	8308	07/80	1	7.00	39		86.0			MS
Little Moon	Timmermans	4624	8251	03/81	7	6.48	52		210.6			LS
Little Pickerel	Grasett	4629	8318	08/80	1	6.70	33		64.0			MS
Little Quirke	Bouck	4632	8236	03/81	7	6.32			4.4			ES
Little Sister	Piche	4638	8233	03/81	7	6.48	35		74.0			MS
Little Trout #36	(unorganized)	4756	8526	06/80	1	6.12	25		44.0			MS
Location	Thorp	4644	8257	08/80	1	6.65	30		100.0			MS
Lola	Dunphy	4822	8438	08/80	1	7.35	92		624.0			NS
Long	Albanel	4633	8259	03/81	7	6.35	30		74.2			MS
Long	Wiseman	4649	8255	03/81	7	6.49	36		147.6			MS
Long (#8)	Fontaine	4652	8224	03/81	7	5.83	32		37.8			ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Lower Shakwa	Oshell	4645	8158	01/81	7	5.96	36		52.8			MS
Lower Mace	Jogues	4630	8251	03/81	7	6.54	34		98.6			MS
Lucas (Geiger)	Buckles	4632	8229	03/81	7	6.16	37		83.8			MS
Mabel	Duncan	4636	8413	05/80	1	6.60			84.0			MS
MacGregor	Peevor	4717	8433	07/80	1	6.32	29		106.0			MS
Manitowik	Debassige	4810	8424	08/80	1	7.50	111		564.0			NS
Maquon	Stone	4742	8438	07/80	1	6.52	33		94.0			MS
Marjory	Warpula	4802	8507	08/80	1	4.63	25		-14.0			A
Marsh	Beange	4628	8243	06/80	1	6.55	32		34.0			ES
Mashagama	Renwick	4655	8321	07/80	1	7.50	52		304.0			LS
Matchinameigus	Echum	4809	8408	08/80	1	7.15	44		238.0			LS
Mather	Bolger	4622	8246	02/81	7	6.78			46.0			MS
Matthews	Matthews	4856	8506	08/80	1	8.08	111		1,338.0			NS
McCarrol	Meredith	4626	8356	06/80	1	7.11	45		142.0			MS
McCool	Galashk	4627	8225	09/80	1	6.91	33		54.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
McCormick	Lalibert	4813	8453	08/80	1	6.98	64		216.0			LS
McEwen	Beauparlant	4738	8408	07/80	1	6.75	31		90.0			MS
McGiverin	McGiverin	4618	8243	03/81	7	6.31	36		87.6			MS
Meredith	Meredith	4629	8355	06/80	1	7.23	35		120.0			MS
Metivier	Whitman	4644	8357	08/80	1	5.85	31		44.0			MS
Middleton	Abotossaway	4815	8437	09/80	1	7.51	76		362.0			LS
Mijinemungshing	Stone	4742	8442	07/80	1	6.29	27		56.0			MS
Millen	Mandamin	4628	8209	03/81	7	6.22	33		63.0			MS
Moccasin	Landriault	4644	8233	03/81	7	6.40	31		58.0			MS
Moon	Monestime	4645	8218	03/81	7	6.17	31		63.4			MS
Moonshine	Vance	4646	8236	06/80	1	7.60	54		268.0			LS
Mosambik	Mosambik	4842	8432	07/80	1	7.71	102		812.0			NS
Mount	Sagard	4640	8244	08/80	1	7.05	45		142.0			MS
Mozhabong	Beebe	4657	8205	08/80	1	6.35	33		8.0			ES
Mudhole	Peever	4717	8433	07/80	1	6.05	24		52.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Murray	Bruyere	4814	8409	08/80	1	7.05	57		210.0			LS
Mystery	Dumas	4820	8443	08/80	1	6.30	35		206.0			LS
Nameigos	Nameigos	4847	8443	07/80	1	8.06	109		1328.0			NS
Nancy	Bailloquet	4802	8451	07/80	1	7.19	65		348.0			LS
Navy	Fabbro	4652	8233	03/81	7	5.77	35		47.8			MS
Negwazu	McGowan	4828	8500	09/80	1	7.34	79		590.0			NS
Nina	Hughson	4634	8229	03/81	7	6.13	27		55.6			MS
Norse	Mack	4621	8251	03/81	7	6.30	39		99.6			MS
Northland	Deroche	4642	8407	06/80	1	6.35	35		34.0			ES
Oba	Simpson	4840	8416	07/80	1	7.49	98		672.0			NS
Old Woman	Barager	4737	8443	09/80	1	6.08	37		24.0			ES
Olympus	Nicholas	4734	8250	03/81	7	6.38	33		89.4			MS
Onedee	Sayer	4640	8309	03/81	7	6.72	42		196.8			MS
Ortona	Locheyer	4629	8214	09/80	1	6.79	28		62.0			MS
Paquette	Whitman	4645	8353	06/80	1	7.15	74		348			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Pathfinder (Beef)	Jogues	4629	8252	03/81	7	5.82	25		9.2			ES
Patter	Gaudry	4709	8343	05/80	1	6.60			74.0			MS
Peshu	Root	4658	8308	07/80	1	7.60	46		170.0			MS
Petauguin	Galbraith	4631	8340	08/80	1	7.20	41		122.0			MS
Phelbin	Jarvis	4642	8408	07/80	1	5.90	20		16.0			ES
Pickard	Tupper	4649	8416	05/80	1	6.70			46.0			MS
Pistol	Mack	4621	8250	07/80	1	6.00	27		12.0			ES
Portelance	Tweedle	4648	8243	08/80	1	6.80	26		94.0			MS
Pothole	Piche	4639	8231	03/81	7	7.05	68		400.0			LS
Poupore (#5)	Lefebvre	4647	8224	03/81	7	6.12	32		44.0			MS
Primeau	Shingwaukonce	4639	8334	08/80	1	6.35	30		36.0			ES
Prince	Prince	4634	8433	06/80	1	6.82	48		120.0			MS
Quinby	Bolger	4622	8245	08/80	1	6.58	98		88.0			MS
Rackey	Kamichisitit	4631	8302	03/81	7	6.31	32		64.4			MS
Rangers (Caribou)	Lehman	4627	8225	09/80	1	7.00	39		118.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Rawhide	Viel	4639	8237	03/81	7	6.80	42		121.0			MS
Redpine	Arnott	4938	8432	07/80	1	8.05	213		2,452.0			NS
Regal	Varley	4636	8305	03/81	7	5.58	27		6.6			ES
Regan	Albanel	4636	8303	03/81	7	6.11	32		51.2			MS
River	Thorp	4646	8256	03/81	7	6.58	41		160.0			MS
Robb	Sayer	4641	8309	03/81	7	6.77	38		155.4			MS
Robert	Plourde	4637	8222	03/81	7	5.97	35		35.0			ES
Rocky	Kamichisitit	4631	8302	03/81	7	6.33	34		131.0			MS
Rocky Island	Royal	4655	8304	07/80	1	7.10	43		198.0			MS
Rooster	Hughson	4634	8231	03/81	7	6.31	33		91.8			MS
Root Cellar	Ashley	4824	8500	08/80	1	6.61	29		162.0			MS
Rosemari	Piche	4639	8232	03/81	7	6.60	38		101.4			MS
Rottier (Red Deer)	Viel	4640	8242	03/81	7	6.43	41		113.6			MS
Round	Kincaid	4708	8440	06/80	1	6.60	31		112.0			MS
Roussain	Whitman	4643	8358	05/80	1	6.60			84.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Rufus	Opazatika	4909	8305	07/80	1	7.30	125		1,318.0			NS
Russian	Monestime	4646	8213	03/81	7	6.43	33		85.6			MS
Sables, Lac Aux	Lefebvre	4647	8220	08/80	7	6.55	33		48.0			MS
St. Julien	St. Julien	4830	8421	07/80	1	7.00	40		208.0			LS
Salter	La Ronde	4748	8454	08/80	1	7.06	108		308.0			LS
Samreid	Raimbault	4633	8245	03/81	7	6.45	37		118.2			MS
Sand	Stoney	4745	8431	08/80	1	6.44	33		70.0			MS
Sandy	Duncan	4638	8408	07/80	1	6.75	32		60.0			MS
Scully	St. Julien	4832	8421	07/80	1	7.18	55		276.0			LS
Semiwite	Hembruff	4635	8241	08/80	1	7.30	40		120.0			MS
Seymour	Rioux	4645	8314	08/80	1	7.35	40		206.0			LS
Shakashi	Pawis	4752	8415	09/80	1	6.32	32		98.0			MS
Shakwa	Oshell	4646	8159	08/80	1	6.43	32		58.0			MS
Shekak	Cholette	4905	8505	07/80	1	7.75	116		1,450.0			NS
Shoepack	Landriault	4648	8235	08/80	1	7.25	40		150.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Sister	Piche	4638	8234	03/81	7	6.43	36		56.4			MS
Skunk	Piche	4641	8235	03/81	7	6.68	52		204.0			LS
Snapshot (Big Trt)	Cadeau	4619	8216	03/81	7	5.59	28		18.2			ES
Snowbird	Sayer	4637	8307	03/81	7	5.37	29		1.0			ES
Souloup	Dumas	4819	8443	08/80	1	6.90	65		322.0			LS
Soulier	Bruyere	4816	8413	09/80	1	7.41	64		336.0			LS
South Greenhill	Winget	4827	8353	07/80	1	6.72	36		140.0			MS
Spruce	Davieaux	4708	8411	05/80	1	6.25			54.0			MS
Stone	Beange	4628	8249	03/81	7	5.29	26		-1.4			A
Stover	Sayer	4637	8309	03/81	7	5.82	28		19.8			ES
Strawberry	Reilly	4656	8329	05/80	1	7.22			386.0			LS
Strums	Curtis	4643	8347	05/80	1	6.50			92.0			MS
Surveyor	Olinyk	4646	8206	01/81	7	6.49	38		91.0			MS
Tea	Timmermans	4626	8255	02/81	7	6.48			90.2			MS
Teasdale	Buckles	4629	8230	08/80	1	7.80	71		350.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Tenfish	Sagard	4639	8247	03/81	7	6.34	31		56.4			MS
Three	Wardel	4650	8306	08/80	1	8.05	100		646.0			NS
Tikamaganda	Eaket	4731	8411	07/80	1	6.22	27		72.0			MS
Tip Top	Plourde	4640	8219	03/81	7	5.90	31		30.0			ES
Tocheri	Matthews	4903	8509	08/80	1	8.04	111		1,032.0			NS
Toobee	Thorp	4645	8252	03/81	7	6.51	36		91.4			MS
Toodee	Simons	4645	8310	08/80	1	6.70	35		102.0			MS
Toosee	Sievert	4647	8259	08/80	1	7.25	30		122.0			MS
Treeby	Rabazo	4752	8451	07/80	1	6.93	73		306.0			LS
Trout	Aweres	4638	8415	06/80	1	6.67	35		56.0			MS
Turtle	Spragge	4616	8240	03/81	7	5.96	26		30.2			ES
Upper Island	Aweres	4640	8415	06/80	1	6.80	48		124.0			MS
Vasseau	Sagard	4640	8246	03/81	7	6.43	33		75.8			MS
Wakomata	Casson	4634	8322	08/80	1	7.20	38		120.0			MS
Ward	McMurray	4839	8917	07/80	1	6.27	51		192.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Wensley	Hotte	4649	8159	01/81	7	6.30	38		41.8			MS
West Joco	Kincaid	4708	8438	06/80	1	6.90	29		102.0			MS
West Kabenung	Knicely	4816	8503	08/80	1	6.89	62		254.0			LS
White Bear	Sayer	4642	8307	03/81	7	6.76	37		151.0			MS
White Birch	Jarvis	4641	8408	05/80	1	6.00			34.0			ES
Whitefish	Fiddler	4801	8428	08/80	1	7.23	31		434.0			LS
Whiterock	McNie	4703	8322	08/80	7	7.20	37		130.0			MS
Wiggley	Lehman	4631	8223	03/81	7	6.24	34		76.4			MS
Wigwam	Talbott	4917	8404	07/80	1	7.00	47		342.0			LS
Wilkie	Raimbault	4636	8250	03/80	7	6.69	54		203.4			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Blind River	Cobden	4611	8257	03/81	6	6.59			180.0			MS
Indian River	McParland	4723	8401	08/80	1	5.58	29		18.0			ES
Michipicoten River	McMurray	4755	8448	08/80	1	7.30	77		418.0			LS
Mississagi River	Cobden	4612	8302	02/81	6	7.09			407.0			LS
Montreal River	Loach	4719	8421	08/80	1	7.00	57		272.0			LS
Shikwamkwa River	Maness	4758	8426	08/80	1	7.29	23		402.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Alexander	McEvay	4817	8035	06/80	1	6.55	36		174.0			MS
Anne	Marathon	4855	8022	07/80	1	8.21	111		1,152.0			NS
Bigwater	Murphy	4837	8118	07/80	1	7.25	128		968.0			NS
Bonner	Fauquier	4923	8208	07/80	1	7.20	114		1,110.0			NS
Cardinal	(unorganized)	5001	8410	07/80	1	8.30	227		2,382.0			NS
Chabbie	Noseworthy	4935	7946	08/80	1	7.58	39		414.0			LS
Clarice	Pontiac	4820	7932	10/80	1	7.05	59		270.0			LS
Clearwater	Evelyn	4841	8100	07/80	1	7.80	132		1,264.0			NS
Crates	Clute	4911	8116	09/80	1	7.74	187		3,268.0			NS
Edgar	(unorganized)	5022	8023	08/80	1	8.03	98		846.0			NS
Five Pines	Guilfoyle	4944	8220	06/80	1	6.70	102		730.0			NS
Freele	Freele	4907	8026	04/80	1	5.75	33		162.0			MS
Froude	(unorganized)	4955	8008	04/80	1	5.90	30		160.0			MS
George	(unorganized)	4940	8016	07/80	1	7.05	32		140.0			MS
Guilfoyle	Guilfoyle	4945	8221	06/80	1	7.75	145		1,600.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Gurney	Gurney	4935	8210	06/80	1	7.25	122		996.0			NS
Haddow	Sweatman	4903	8025	04/80	1	6.30	41		256.0			LS
Hastings	Nansen	4917	8213	07/80	1	6.90	142		1,646.0			NS
Jowsey	Carscallen	4822	8144	07/80	1	7.30	87		638.0			NS
Kamiskotia	Robb	4834	8138	07/80	1	7.25	95		564.0			NS
Keenoa	Fenton	4859	8228	06/80	1	7.10	105		736.0			NS
Lisgar	Lisgar	4848	8232	06/80	1	7.40	125		1,336.0			NS
Little Agassiz	Agassiz	4936	8102	08/80	1	7.57	63		504.0			NS
Little Kesagami	(unorganized)	4945	8016	08/80	1	7.75	71		628.0			NS
Lloyd	Clute	4911	8116	04/80	1	7.25	118		1,150.0			NS
Louise	Leitch	4916	8107	04/80	1	7.85	80		774.0			NS
Lower Serpent	(unorganized)	5001	8011	08/80	1	7.85	80		774.0			NS
Lulu	Clifford	4820	7953	09/80	1	8.20			1,054.0			NS
McCowan	McCowan	4937	8300	06/80	1	6.30	25		120.0			MS
Mistango	Freele	4907	8027	04/80	1	7.40	116		1,420.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Montgomery	Colquhoun	4918	8118	04/80	1	7.60	151		3,734.0			NS
Morgan's Pit	McCart	4843	8051	07/80	1	8.10	250		2,246.0			NS
Munro	Munro	4835	8009	06/80	1	6.70	87		522.0			NS
Palangio	Fournier	4903	8112	04/80	1	7.45	179		1,808.0			NS
Perry	Michaud	4832	8006	09/80	1	8.09	140		1,282.0			NS
Pierre	Swartman	4930	8045	04/80	1	7.20	90		812.0			NS
Pivabiska	Hanlan	4949	8343	07/80	1	7.45	116		1,050.0			NS
Raft	McCowan	4940	8258	06/80	1	7.10	106		704.0			NS
Reaume	Reaume	4854	8108	07/80	1	7.80	312		3,096.0			NS
Redpine	Reaume	4855	8108	07/80	1	7.43	70		636.0			NS
Shannon	Shannon	4948	8324	07/80	1	7.85	128		1,670.0			NS
Silver Queen	Leitch	4914	8108	07/80	1	7.72	128		1,256.0			NS
Soucie	Hoblitzell	4934	8002	08/80	1	7.41	32		350.0			LS
South Floodwood	Bragg	4922	8019	08/80	1	7.80	41		716.0			NS
Stoddart	Stoddart	4948	8358	07/80	1	7.80	128		1,386.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Stringer	(unorganized)	5011	8053	08/80	1	7.98	96		908.0			NS
Swanson	Swanson	4919	8221	07/80	1	6.79	69		476.0			LS
Thorning	Thorning	4926	8055	08/80	1	7.66	42		618.0			NS
Tilia	Raynar	4959	8631	06/80	1	8.08	149		1,750.0			NS
Trout	Pinard	4952	8130	04/80	1	6.45	61		432.0			LS
Trollope	Freechville	4835	7941	10/80	1	7.20	53		260.0			LS
Wababimiga	(unorganized)	5020	8623	06/80	1	7.95	125		1,562.0			NS
Wade	Stimson	4902	8035	04/80	1	6.20	56		484.0			LS
Wakwayowkastic	(unorganized)	4936	8019	08/80	1	7.03	33		440.0			LS
Yesterday	(unorganized)	4950	8043	08/80	1	7.68	147		1.348.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Abitibi River	Brower	4903	8051	04/80	1	7.44	123		1,018.0			NS
Buskegau River	Ottaway	4903	8114	04/80	1	6.32	58		273.0			LS
Deception Creek	Clute	4910	8115	04/80	1	7.05	174		1,506.0			NS
Ghost River	Harker	4831	7952	06/80	1	7.45	109		1,180.0			NS
Little Abitibi R.	McQuibban	4928	8038	04/80	1	7.15	64		608.0			NS
Redstone River	Shaw	4824	8107	07/80	1	7.65	119		1,220.0			NS
Skunk River	Gill	4945	8429	07/80	1	7.90	217		2,608.0			NS
Wakusimi River	Lisgar	4850	8231	06/80	1	7.45	152		1,796.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Ardroch	Clarendon	4456	7652	08/76	4	7.7	222			2,180	1,840.8	NS
Big	Miller	4502	7659	08/76	4	7.2	56			340	348.3	LS
Big Clear	Kennebec	4443	7655	05/78	4	8.7	226			2,480		NS
Big Clear	Kennebec	4443	7655	06/78	3	8.78			1,560			NS
Big Clear	Bedford	4433	7628	07/78	4	7.2	75			360		LS
Big Gull-Clarendon	Clarendon	4450	7658	07/75	4	7.6	74			560	497.5	NS
Big Ohlmann	Miller	4503	7700	08/76	4	7.8	102			840	646.8	NS
Big Salmon	Bedford	4432	7630	/78	4	7.4	89			460		LS
Birch	Bedford	4433	7632	08/75	4	8.3	164			1,400	1,044.8	NS
Bobs	Bedford	4441	7635	08/78	3	8.3			1,330.0			NS
Brule (Wensley)	Miller	4503	7703	08/76	4	7.2	120			860	845.8	NS
Buck	Kennebec	4442	7657	07/75	4	7.6	120			920	870.6	NS
Buck	Bedford	4432	7626	07/75	4	7.9	143			1,140	970.1	NS
Buckshot	Miller	4500	7704	08/76	4	7.1	79			540	522.4	NS
Buckshot	Miller	4500	7704	06/78	3	8.4			1,220			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Bull	Kennebec	4441	7658	07/75	4	7.6	106			760	995.0	NS
Burridge	Bedford	4440	7633	06/78	3	8.67			1,630.0			NS
Butternut	S. Canonto	4503	7654	02/81	4	6.8			588.0			NS
Camp	Miller	4505	7658	04/80	4	6.88	56		325.0			LS
Canoe	Bedford	4435	7633	07/78	3	8.7			1,430			NS
Canonto	S. Canonto	4503	7647	08/76	4	7.9	168			1,840	2,766.1	NS
Cedar	Barrie	4452	7702	04/81	4	7.3	325		3,260			NS
Clear	Bedford	4433	7628	08/80	1	7.65	77		408.0			LS
Collins	Storrington	4422	7628	06/78	3	8.3			2,100			NS
Crocker	S. Canonto	4504	7655	04/81	4	6.6			360			LS
Cronk	Loughborough	4428	7634	09/80	4	7.8	175			1,240		NS
Crotch (Cross)	Palmerston	4455	7648	07/75	4	7.4	99			790.0	547.3	NS
Crow	Bedford	4442	7637	08/75	4	8.2	138			1,200	845.8	NS
Desert	Bedford	4432	7635	08/75	4	7.9	173			1,520	1,144.3	NS
Devil	Bedford	4435	7627	07/78	3	8.6			1,410.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Dog	Storrington	4425	7621	06/78	3	9.18			800			NS
Draper	Loughborough	4429	7631	08/76	4	7.3	251			2,520	1,990.0	NS
Eagle	Hinchinbrooke	4441	7642	08/75	4	7.9	127			940	646.8	NS
Eel	Bedford	4433	7634	07/78	3	8.4			1,910.0			NS
Egg	S. Canonto	4506	7652	10/80	4	7.6	245		2,160			NS
Evelyn	S. Canonto	4506	7658	10/80	4	7.7	245		2,320			NS
Fawn	Clarendon	4454	7651	05/76	4	7.0	81			600	547.3	NS
Fifth Depot	Hinchinbrooke	4436	7652	08/75	4	7.8	136			1,260	845.8	NS
Fortune	Miller	4506	7702	08/76	4	7.9	137			1,160	970.1	NS
Fourteen Island	Portland	4430	7638	08/75	4	7.9	170			1,374.0	1,114.4	NS
Garter	Bedford	4436	7633	SU/79	4	7.3	69			360		LS
Gibsons	Palmerston	4454	7643	09/80	4	6.9	66		460			LS
Gould	Loughborough	4428	7635	SU/81	4	8.2	175			1,480		NS
Govan	S. Canonto	4508	7648	04/80	4	7.3	138		1,120			NS
Grace	S. Canonto	4506	7652	10/80	4	7.6	215		1,920			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Granite	S. Canonto	4504	7652	09/80	4	7.6	160		1,380			NS
Grindstone	Miller	4501	7657	08/76	4	7.5	95			700	567.2	NS
Hemlock	Miller	4505	7656	02/81	4	6.2			164.0			MS
Hungry	Olden	4448	7653	05/76	4	7.2	54			360	398.0	LS
Hungry	Olden	4448	7653	SU/80	4	6.9	54		360			LS
Hungry	S. Canonto	4506	7650	09/80	4	7.2	235		2,320			LS
Inverary	Storrington	4424	7627	SU/79	4	8.5	251			2,280		NS
Kashwakamak	Clarendon	4452	7701	08/76	4	7.0	110			780	721.4	NS
Kennebec	Kennebec	4444	7659	08/76	4	6.8	77			520	472.6	NS
Kishkebus	Barrie	4454	7710	08/76	4	7.0	74			480	522.4	NS
Kishkebus	Barrie	4454	7710	SU/80	4	6.9			358.0			LS
Kitchen	Miller	4505	7659	02/81	4	5.9			220			LS
Knowlton	Loughborough	4427	7637	05/75	4	7.8	246			2,200	1,492.5	NS
Labine	S. Canonto	4504	7659	09/80	4	7.6	285		2,560			NS
Little Clear	Bedford	4433	7630	SU/78	4	7.6	98			720		NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Little Green	Clarendon	4458	7653	SU/80	4	8.3	274			2,580		NS
Little Mosque	Miller	4500	7656	10/80	4	6.8	85		540			NS
Little Salmon	Bedford	4432	7631	SU/78	4	7.6	97			520		NS
Little Shabomeka	Barrie	4453	7708	05/80	4	7.29	74	3	408.0	440	597.0	LS
Long	Hinchinbrooke	4440	7646	Su/79	4	7.4	117			940		NS
Long Bay	N. Canonto	4507	7655	11/81	4	7.5	190		1,720			NS
Long Schooner	Miller	4506	7659	08/76	4	7.4	106			840	696.5	NS
Loughborough	Loughborough	4427	7625	05/75	4	8.3	233			2,020	1,890.5	NS
Lucky	Miller	4503	7701	08/76	4	7.0	103			820	646.8	NS
Mackie	Miller	4505	7659	08/76	4	7.4	92			680	597.0	NS
Mair	S. Canonto	4507	7650	08/76	4	8.2	207			2,200	1,940.3	NS
Malcolm	Clarendon	4455	7654	08/76	4	7.7	208			2,060	1,820.9	NS
Marble	Barrie	4450	7708	08/76	4	6.7	92			560	597.0	NS
McCausland	Barrie	4452	7709	SU/80	4	7.3	64		340			LS
McDowall	Barrie	4453	7709	10/80	4	6.5	51		280			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Mica	Loughborough	4427	7633	07/80	1	7.95	149		2,064.0			NS
Mink	Olden	4448	7651	04/80	4	6.9	42		240			LS
Minnow	S. Canonto	4505	7650	09/80	4	7.8	134		1,010.0			NS
Mississagagon	Barrie	4452	7705	08/76	4	7.8	172			1,800		NS
Mosque	Miller	4501	7655	08/76	4	7.1	87			780	6,567.0	NS
Mud	Loughborough	4429	7630	SU/62	12	7.95	260			2,620	3,353.2	NS
Norcan	N. Canonto	4510	7652	04/80	4	7.56	110		860			NS
North Quin	S. Canonto	4505	7654	11/80	4	7.4	72		420			LS
Opinicon	Bedford	4434	7619	07/78	3	9.1			1,480			NS
Otter	Loughborough	4430	7632	SU/78	4	7.3	111			800		NS
Otter	S. Canonto	4506	7651	09/80	4	7.6	230		2,240			NS
Palmerston	Palmerston	4501	7651	06/78	4	8.39			1,230.0			NS
Payes	Palmerston	4458	7650	02/81	4	7.2	165		1,520			NS
Pine (Coxvale)	Clarendon	4454	7653	08/76	4	7.1	78			580	497.5	NS
Potspoon	Bedford	4436	7635	SU/79	4	8.0	157			1,000		NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Quackenbush	Miller	4506	7706	09/80	4	7.8	240		2,300			NS
Reid	Miller	4504	7656	01/80	4	7.07	54		274.0			LS
Rockcliff	N. Canonto	4510	7655	09/80	4	7.8	180		1,700			NS
Round	Storrington	4425	7626	06/78	3	8.45			2,030.0			NS
Round Schooner	Miller	4507	7659	08/76	4	7.4	104			880	721.4	NS
Salmon	Bedford	4432	7630	08/80	1	7.53	70		464.0			LS
Sand (Plevna)	Clarendon	4456	7702	08/76	4	7.6	176			1,620	1,442.8	NS
Shabomeka	Barrie	4454	7708	08/76	4	6.7	80			580	572.1	NS
Sharbot	Olden	4446	7641	06/78	3	8.11			1,340			NS
Shawenegog	Barrie	4455	7704	08/76	4	7.2	135			980	1,592.0	NS
Shoepack	Barrie	4451	7703	09/80	4	7.2	155		1,360			NS
Silver	Oso	4450	7636	06/78	3	8.57			1,860			NS
Snowshoe	N. Canonto	4508	7656	10/80	4	6.0	29		80			MS
South Quin	S. Canonto	4505	7654	10/80	4	7.1	94		660			NS
Spot	S. Canonto	4504	7653	02/81	4	7.2			1,192.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Spring	Miller	4503	7656	02/81	4	6.4			174.0			MS
Sullivan	N. Canonto	4508	7656	10/80	4	6.3	37		140			MS
Sydenham	Loughborough	4425	7633	07/78	3	9.8				1,340		NS
Thirteen Island	Portland	4432	7638	08/75	4	8.1	218			1,890.0	1,592.0	NS
Thirty Island	Bedford	4434	7636	08/76	4	7.6	170			1,380	1,174.1	NS
Wallbridge	Kennebec	4442	7700	SU/62	12	7.65	203			1,800	2,577.1	NS
White	Olden	4447	7645	08/76	4	8.4	209			2,120	1,273.6	NS
White	Bedford	4436	7637	08/76	4	8.0	249			2,260	1,930.3	NS
Wolfe	Bedford	4441	7630	08/75	4	8.1	212			1,830.0	1,442.8	NS
Wolfe	S. Canonto	4504	7650	06/78	3	8.57	(200)		1,500			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Amaleen	Dysart	4504	7833	10/80	2	6.70	73		141.6	180.8	268.7	MS
Avery	Sherborne	4512	7849	06/80	2	6.10	29		43.6		139.3	MS
Barnum	Dysart	4502	7832	09/80	2	7.61			1,370.0	1,398.0	1,204.0	NS
Basshaunt	Guilford	4507	7828	02/80	5	6.59	43	27	134.8		273.6	MS
Bear	Livingstone	4520	7842	07/80	2	6.05	30		32.4		139.3	ES
Bear	Livingstone	4520	7842	03/80	5	6.48	38	33	70.2		228.9	MS
Beer	Anson	4456	7849	06/80	2	5.93	32		90.0		169.2	MS
Bentshoe	Hindon	4502	7856	07/80	2	5.87	27		13.2	48.6	89.6	ES
Big East	Hindon	4502	7857	06/80	2	5.88	30		23.0			ES
Big Hawk	Stanhope	4510	7844	06/80	2	6.09	32		28.0		159.2	ES
Big Porcupine	Livingstone	4527	7837	07/80	2	5.77	28	5	12.2		109.5	ES
Big Rock	Bruton	4513	7812	07/80	2	6.11	36	50	98.8		159.2	MS
Billings	Bruton	4517	7814	07/80	2	6.19	41	40	88.6		199.0	MS
Bitter	Guilford	4510	7835	07/80	2	6.51	31		45.4		109.5	MS
Bitter	Guilford	4510	7835	02/80	5	6.33	42	16	88.8		209.0	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Bivouac	Eyre	4520	7832	07/80	2	6.22	29	10	48.4		119.4	MS
Bob	Anson	4455	7847	06/80	2	6.67	46		159.0		248.8	MS
Bonnechere	Lawrence	4528	7835	07/80	2	5.84	30	10	22.8		119.4	ES
Boshkung	Stanhope	4504	7844	06/80	2	6.91	50		156.4		258.7	MS
Buchanan	McClintock	4520	7850	07/80	2	6.79	32	5		120.0	169.2	MS
Byers	Bruton	4514	7812	07/80	2	6.06	36	50	66.4		179.1	MS
Cauliflower	Clyde	4524	7815	07/80	2	6.41	40	20	54.6		179.1	MS
Clean	Havelock	4515	7832	02/80	5	6.56	35	10	54.6		194.0	MS
Clean	Havelock	4515	7832	06/80	2	6.85	30		44.4		139.3	MS
Clinto	McClintock	4519	7852	06/80	2	6.18	26		21.0		99.5	ES
Clinto	McClintock	4519	7852	03/80	5	6.28	28	8	25.2		139.3	ES
Clydegale	Nightingale	4524	7822	07/80	2	6.48	34	50	55.8		169.2	MS
Cranberry	Guilford	4507	7834	10/80	2	7.27			262.0	295.0		LS
Crown	Livingstone	4526	7840	06/80	2	6.12	26		10.4		109.5	ES
Crown	Livingstone	4526	7840	03/80	5	6.17	29	8	23.8		169.2	ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Crystal	Lawrence	4523	7829	07/80	2	5.21	26	5	-0.6		99.5	A
Dagger	Livingstone	4524	7838	07/80	2	6.25	28	10	25.6		119.4	ES
Dividing	Livingstone	4525	7836	07/80	2	5.75	30	5	16.2		129.4	ES
Duck	Minden	4500	7839	10/80	2	7.98			1,628.0	1,656.0		NS
Eagle	Guilford	4508	7829	02/80	5	7.14	54	16	247.2		338.3	LS
East Galipo	Eyre	4522	7826	07/80	2	6.21	36	20	67.6		149.3	MS
Fletcher	McClintock	4521	7847	06/80	2	6.33	32		68.4		129.4	MS
Fletcher	McClintock	4521	7847	07/78	9	6.92	35	26		140.0	149.3	MS
Frank	Lawrence	4526	7828	07/80	2	5.68	33	30	34.4		139.3	ES
Fraser	Nightingale	4531	7819	06/80	1	5.95	32		22.4			ES
Harry	Lawrence	4526	7827	07/80	2	5.91	31	15	28.2		129.4	ES
Harvey	McClintock	4517	7850	06/80	2	6.12	32		58.8		139.3	MS
Havelock	Havelock	4517	7838	02/80	5	5.79	30	18	14.6		204.0	ES
Hudson	Cardiff	4504	7808	07/80	1	6.88	32		92.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Hurricane	Dysart	4505	7836	09/80	1	6.41	37		100.0			MS
Johnson	Havelock	4516	7837	07/80	2	6.60	28		23.0		139.3	ES
Johnson	Havelock	4516	7837	02/80	5	6.03	32	13	23.0		209.0	ES
Jordan	Cardiff	4504	7804	07/80	1	6.98	64		242.0			LS
Kashagawigamog	Minden	4459	7836	02/80	5	7.11	80	25	403.6		527.4	LS
Kawagama	Sherborne	4518	7845	07/80	2	6.39	32		38.6		149.3	ES
Kawagama-Mid Lake	McClintock	4518	7845	02/80	5	6.39	36		48.4		228.9	MS
Kawagama- Fletcher	McClintock	4519	7848	02/80	5	6.40	36	13	65.6		243.8	MS
Kawagama-Minden	McClintock	4515	7848	02/80	5	6.30	36	14	56.2		209.0	MS
Kelly	Havelock	4515	7837	06/80	2	6.02	29	10	21.6		129.4	ES
Kelly	Havelock	4515	7837	02/80	5	6.13	34		33.8		233.8	ES
Kennibik	Dudley	4505	7818	10/80	1	7.01	59	12	432.0			LS
Kennisis	Havelock	4513	7838	02/80	5	6.33	35		32.4		213.9	ES
Kennisis	Havelock	4513	7838	06/80	2	6.15	31	9	23.4		139.3	ES
Kimball	Livingstone	4521	7841	03/80	5	6.16	34	17	29.0		298.5	ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Kimball	Livingstone	4521	7841	07/80	2	6.03	31	17	22.8		149.3	ES
Kingscote	Bruton	4512	7813	07/80	2	6.62	38		91.4		169.2	MS
Kushog-Ox Narrows	Stanhope	4507	7849	03/80	2	6.23		15	63.0			MS
Lipsev-Lipsy	Guilford	4510	7838	02/80	5	5.88	32		26.6		174.1	ES
Little Boshkung	Minden	4502	7844	02/80	5	6.89	52	20	177.0		318.4	MS
Little Branch	Clyde	4519	7815	07/80	2	6.03	41	16	74.0		209.0	MS
Little Buckhorn	Havelock	4515	7840	07/80	2	6.54	25	50	35.2		139.3	ES
Little Dudmon	Dudley	4502	7821	02/80	5	7.32	96		694.0		810.9	NS
Little Hawk	Stanhope	4509	7843	06/80	2	6.17	32	13	23.0		149.3	ES
Little Hay	Clyde	4521	7816	07/80	2	6.07	40		71.0		179.1	MS
Little Kennisis	Havelock	4515	7835	02/80	5	5.94	36	50	31.2		213.9	ES
Little Redstone	Guilford	4513	7834	07/80	2	6.09	33	28	40.6			MS
Little Soyers	Dysart	4503	7836	05/80	2	6.52	27		50.0	93.6		MS
Livingstone	Livingstone	4522	7843	06/80	2	6.76	34	20	64.8		149.3	MS
Lochlin	Glamorgan	4457	7831	09/80	1	5.32	21		0.0			A

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Louie	Livingstone	4523	7844	06/80	2	6.41	37		60.6		159.2	MS
Louie	Livingstone	4523	7844	03/80	5	6.37	40	11	76.4		253.7	MS
Lower Fletcher	McClintock	4521	7850	06/80	2	6.11	32		62.0		129.4	MS
Lower Fletcher	McClintock	4521	7850	03/80	5	6.21	35	29	72.6		213.9	MS
Lutterworth	Lutterworth	4452	7850	09/80	2	6.17			43.8	76.6	89.6	MS
MacDonald	Havelock	4514	7834	02/80	5	6.59	36	10	79.0		209.0	MS
MacDonald	Havelock	4514	7834	06/80	2	6.49	32		66.6		149.3	MS
Madawaska	Eyre	4520	7823	07/80	2	6.24	36	10	46.6		149.3	MS
Marigold	Lutterworth	4449	7846	08/80	2	7.31			868.0	900.0	766.2	NS
McDonald	Hindon	4506	7853	06/80	2	4.86	27		-7.8			A
McFadden	McClintock	4520	7851	06/80	2	6.63	36		112.8		149.3	MS
McFadden	McClintock	4520	7851	03/80	5	6.61	39	13	130.8		209.0	MS
McGarvey	Lawrence	4526	7834	07/80	2	6.16	26	5	13.6		109.5	ES
Millichamp	McClintock	4519	7850	07/80	2	6.64	30	20		160.0	169.2	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Millward	Anson	4455	7853	07/80	2	6.55	25	20	62.4		119.4	MS
Minnicock	Glamorgan	4500	7824	10/80	1	7.09	62		424.0			LS
Monck	Cardiff	4500	7807	08/80	1	6.08	32		36.0			ES
Monmouth	Monmouth	4454	7812	09/80	1	7.45	75		628.0			NS
Monrock	Monmouth	4458	7812	09/80	1	6.14	30		26.0			ES
Moose	Harburn	4509	7828	02/80	5	7.14	60	16	292.8		363.2	LS
Mountain	Minden	4459	7843	08/78	9	7.70	52	5		240.0	268.7	LS
Mouse	Sherborne	4511	7851	08/80	2	5.64	30	50	45.2	78.6		MS
North	Harburn	4515	7824	02/80	5	5.62	31	28	12.0		189.1	ES
North Galipo	Eyre	4523	7827	07/80	2	5.91	32	15	33.2		129.4	ES
North Grace	Lawrence	4526	7832	07/80	2	5.62	29	5	9.8		119.4	ES
Nunikani	Sherborne	4512	7844	07/80	2	6.06	31		26.8		139.3	ES
Oblong	Harburn	4511	7826	02/80	5	6.95	52	15	216.4		323.4	MS
Oxtongue	McClintock	4522	7855	07/80	2	6.15	35		50.2		119.4	MS
Oxtongue	McClintock	4522	7855	03/80	5	6.43	39	27	63.0		194.0	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Pelaw	Guilford	4513	7833	07/80	2	5.87	40		45.6		129.4	MS
Pen	Nightingale	4527	7823	07/80	2	6.50	34	40	56.4		159.2	MS
Phipps	Lawrence	4529	7834	07/80	2	5.95	29	10	13.2		119.4	ES
Pinetree	Nightingale	4533	7819	07/80	1	5.92	30		26.0			ES
Poker	Hindon	4503	7856	02/79	2	5.97	35q	34	68.2		159.2	MS
Prottler	Nightingale	4527	7820	07/80	1	5.61	35		18.0			ES
Pusey	Cardiff	4503	7813	02/80	5	7.28	91	18	534.2		686.6	NS
Ragged	Livingstone	4528	7839	07/80	2	6.20	31	15	43.0		129.4	MS
Rainbow	Eyre	4520	7827	07/80	2	5.53	32	70	23.6		129.4	ES
Raven	Sherborne	4512	7851	06/80	2	5.81	29		20.4			ES
Redstone	Guilford	4511	7832	01/80	2	6.37	35		52.4		154.2	MS
Redstone	Guilford	4511	7832	02/80	5	6.41	39	17	57.4		213.9	MS
Rence	Lawrence	4525	7828	07/80	2	5.88	30	50	46.0		129.4	MS
Rock	Nightingale	4531	7824	07/80	2	6.24	36	20	52.2		159.2	MS
Rockaway	Livingstone	4523	7838	07/80	2	5.95	28	5	8.0		109.5	ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
St. Nora	Sherborne	4509	7850	06/80	2	6.18	34		42.4		149.3	MS
Scorch	Bruton	4515	7812	07/80	2	6.08	42	70	98.8		218.9	MS
Sherborne	Sherborne	4511	7847	06/80	2	5.62	29		18.6		119.4	ES
Slipper	Havelock	4517	7842	05/80	2	6.57			41.4	78.4		MS
Slipper	Havelock	4517	7842	07/80	2	6.36	28		42.0		139.3	MS
South Anson	Anson	4457	7853	07/80	2	5.88	28	50	35.6		129.4	ES
South Boot	Bruton	4513	7818	07/80	2	5.93	34	15	48.6		149.3	MS
South Galipo	Eyre	4522	7827	07/80	2	5.71	33	15	31.0		139.3	ES
South Jean	Hindon	4507	7855	06/80	2	5.96	30		48.2			MS
Stocking	Havelock	4517	7841	07/80	2	6.15	31		36.4		139.3	ES
Stringer	Lawrence	4526	7831	07/80	2	5.59	28	10	6.6		119.4	ES
Tedious	Guilford	4510	7835	07/80	2	6.44	44		113.8		159.2	MS
Tock	McClintock	4516	7853	06/80	2	6.03	30		30.2		119.4	ES
Troutspawm	Livingstone	4524	7845	06/80	2	6.54	30		60.0		129.4	MS
Two Islands	Dudley	4504	7822	02/80	5	7.24	84	15	511.4		671.6	NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Upper Redstone	Eyre	4521	7827	07/80	2	5.80	30	60	33.2		119.4	ES
Welch	Stanhope	4506	7847	07/80	2	7.17	58	10	288.0		358.2	LS
Welcome	Lawrence	4525	7825	07/80	2	6.19	32	15	42.0		139.3	MS
Wildcat	Eyre	4520	7833	07/80	2	5.96	30	15	48.0		129.4	MS
Wolf	Livingstone	4526	7842	06/80	2	6.32	28		32.0		109.5	ES
Wolf	Livingstone	4526	7842	03/80	5	6.00	31	36	41.6		213.9	MS
Wren	Sherborne	4511	7852	02/79	2	6.26	35	7	31.0		139.3	ES
Wren	Sherborne	4511	7852	06/80	2	5.89	32		24.4		119.4	ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Big McGarry	McClure	4513	7802	08/80	1	6.17	37		76.0			MS
Echo	Bangor	4519	7742	08/80	1	7.00	316		118.0			MS
Graphite	Monteagle	4512	7753	08/80	1	6.88	2553		344.0			LS
Holland	Dungannon	4506	7747	08/80	1	7.75	613		382.0			LS
Little Meach	McClure	4518	7807	08/80	1	6.91	381		76.0			MS
Ragged	Wollaston	4456	7749	08/80	1	6.20	378		86.0			MS
Selby	Monteagle	4511	7752	07/80	1	6.84	604		338.0			LS
Tommy	Wollaston	4455	7747	08/80	1	8.72	1786		1,616.0			NS
Watson	Wicklow	4517	7757	08/80	1	6.59	505		214.0			LS
Watt	Herschel	4510	7805	07/80	1	6.38	508		142.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Clay	unorganized	5003	9330	08/80	1	7.70	115		714.0			NS
Crispin	unorganized	4924	9322	07/80	1	7.25	33		176.0			MS
Delano	unorganized	4945	9327	08/80	1	7.68	42		292.0			LS
Fisher	unorganized	4933	9333	08/80	1	7.70	60		512.0			NS
Hartman	Hartman	4945	9226	08/80	1	7.65	100		886			NS
Highball	unorganized	5024	9133	08/80	1	7.45	66		532.0			NS
Kekekwa	unorganized	4929	9250	08/80	1	6.76	32		164.0			MS
Little Eagle	Temple	4945	9313	08/80	1	6.75	43		338.0			LS
Little Green	unorganized	4940	9327	07/80	1	7.63	35		268.0			LS
Malloy	unorganized	5242	8702	06/80	1	7.22	62		454.0			LS
Manitush	unorganized	5155	8814	06/80	1	7.45	67		554.0			NS
Perrault	unorganized	5018	9308	08/80	1	8.29	114		1,126.0			NS
Rapid	unorganized	5020	9125	08/80	1	7.35	61		510.0			NS
Redpath	unorganized	5150	9117	08/ 80	1	7.40	53		558.0			NS
Route	Breithaupt	5004	9238	08/80	1	7.55	72		592.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Ross	Wauchope	5003	9311	08/80	1	7.28	30		202.0			LS
Rugby	Rugby	4957	9257	08/80	1	8.39	94		838.0			NS
Sebert	unorganized	5157	8605	06/80	1	6.92	42		294.0			LS
Spence	unorganized	5134	8814	06/80	1	7.50	68		738.0			NS
Stark	unorganized	5153	8742	06/80	1	7.35	67		574.0			NS
Stone	unorganized	5026	9130	08/80	1	7.30	71		584.0			NS
Streatfield	unorganized	5209	8555	06/80	1	7.11	43		356.0			LS
Sup	unorganized	5017	9333	08/80	1	7.97	82		770.0			NS
Troutfly	unorganized	5142	8853	06/80	1	8.25	159		2,018.0			NS
Wapageisi	unorganized	4918	9222	08/80	1	7.72	45		320.0			LS
Washi	unorganized	5124	8702	06/80	1	7.50	112		836.0			NS
Williams	unorganized	5015	9250	08/80	1	8.67	19		1,618.0			NS
Wine	unorganized	5026	9319	08/80	1	8.05	91		826.0			NS
Winnange	unorganized	4944	9343	08/80	1	7.48	31		176.0			MS

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Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Barnard	Ashby	4507	7728	05/81	4	6.7	35		110.0			MS
Browns	Abinger	4503	7708	05/80	4	6.9	60		340.0			LS
Crystal	Ashby	4507	7728	05/80	4	5.8	32		56.0			MS
Finch	Abinger	4504	7709	05/80	4	7.3	78		520			NS
Heath	Effingham	4502	7723	05/80	4	6.3	35		54.0			MS
Spring	Ashby	4509	7728	05/80	4	7.8	185		1,478.0			NS
Whitefish	Effingham	4454	7724	05/80	4	6.6	38		99.4			MS

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Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Arnold's Bay	Freeman	4506	7957	07/80	1	6.74	48		88.0			MS
Bella	Sinclair	4626	7902	03/80	5	6.65	36	14	109.6		189.1	MS
Big Orillia	Oakley	4506	7900	06/80	2	6.35	34		100.8		149.3	MS
Buckhorn	Freeman	4506	7951	02/81	5	5.53	25	106	1.0			ES
Camp	Finlayson	4526	7855	03/80	5	6.19	32		31.8			ES
Camp	Finlayson	4526	7855	07/78	9	6.48	30	9		80.0	139.3	MS
Clearwater	Morrison	4448	7914	09/80	1	6.72	23	15	42.0			MS
Coldwater	Gibson	4500	7948	02/81	5	6.09	158		64.0			MS
Dotty	Finlayson	4528	7900	08/80	1	6.41	29	40	24.0			ES
Eagle	Freeman	4507	7953	02/81	5	5.53	23		7.0			ES
Fifteen Mile	Franklin	4521	7858	03/80	5	6.44	34	18	82.4		209.0	MS
Galla	Freeman	4504	7952	02/81	5	6.32	41	18	159.6			MS
Gibson	Gibson	4458	7945	09/80	1	6.72	33		152.0			MS
Gloucester Pool	Baxter	4451	7942	02/81	5	7.85	260	30	1,824.0			NS
Go Home	Gibson	4501	7951	09/80	1	6.76	36		81.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Heron	Finlayson	4527	7849	11/80	1	5.91	45		32.0			ES
High	Watt	4514	7930	02/80	5	6.46	34	12	78.2		189.1	MS
Irvine	Gibson	4502	7951	02/81	5	5.31	32	57	-3.0			A
Joseph	Medora	4513	7947	03/80	5	6.50	49	9	45.0		199.0	MS
Kahshe	Morrison	4450	7918	02/81	5	6.21			101.4			MS
Little Mountain	Franklin	4521	7900	08/80	5	6.4			48.0			MS
Little Orillia	Oakley	4505	7900	06/80	2	6.89	32		73.0		139.3	MS
Lower Pairo	Ridout	4510	7857	08/80	2	6.57	32		99.6	132.4	159.2	MS
Martin	Ridout	4512	7859	07/80	2	5.60	29	20	17.4		129.4	ES
McCrae	Freeman	4508	7953	02/81	5	7.43	150	37	974.0			NS
Moon River Bay	Freeman	4507	7958	07/80	1	6.96	43		104.0			MS
Mud	Muskoka			05/80	2	6.48	220	40	118.4			MS
Muskoka	Muskoka	4500	7925	03/80	5	6.69	46	18	80.0		233.8	MS
North Bay	Baxter	4453	7948	02/81	5	6.91	350	33	658.0			NS
Oxbow	Finlayson	4526	7858	03/80	5	6.16	35	23	44.4		238.8	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Rebecca	Sinclair	4526	7902	03/80	5	6.50	34	27	94.0		2,268.6	MS
Riley	Ryde	4450	7911	02/81	5	5.99			86.0			MS
Rosseau	Watt	4513	7934	03/80	5	6.62	44	11	73.4		204.0	MS
Ryde	Ryde	4454	7915	02/81	5	6.29			82.0			MS
Silver	Morrison	4454	7919	02/81	5	6.22			60.0		149.7	MS
Skeleton	Cardwell	4515	7927	03/80	5	6.69	51	11	62.6		204.0	MS
Skeleton	Cardwell	4515	7927	07/78	9	6.83	39	4		140.0	199.0	MS
Stewart	Freeman	4508	7946	02/81	5	6.56	84	57	146.8			MS
Sunny	Morrison	4455	7918	02/81	5	6.29			51.2			MS
Tadenac Bay	Freeman	4503	7959	02/81	5	7.08	230	38	604.0			NS
Tadenac	Freeman	4503	7957	02/81	5	6.48	37	27	63.0			MS
Tasso	Finlayson	4527	7856	08/80	1	7.52	26		46.0			MS
Teapot	Ridout	4508	7859	07/80	2	6.20	34		78.2		129.4	MS
Twelve Mile Bay	Freeman	4505	8000	02/81	5	7.31	134	41	848.0			NS
Upper Pairo	Ridout	4510	7857	08/80	2	6.66	32		93.4	125.2	159.2	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Black River	Oakley	4459	7903	04/80	1	6.04			28.0			ES
Moon River	Gibson	4503	7947	02/80	1	6.50	47		86.0			MS
Moon River	Gibson	4503	7947	03/80	1	6.15	54		68.0			MS
Moon River	Gibson	4503	7947	04/80	1	5.90	52		16.0			ES
Moon River	Gibson	4503	7947	05/80	1	6.50	44		74.0			MS
Moon River	Gibson	4503	7947	06/80	1	6.75	44		82.0			MS
Moon River	Gibson	4503	7947	08/80	1	6.73	45		86.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Alluring	Niven	4547	7808	08/80	1	6.60	39		90.0			MS
Alsever	Clancy	4541	7800	08/80	1	6.59	47		116.0			MS
Basin	Guthrie	4544	7748	07/80	1	6.75	60		292.0			LS
Biggar	Biggar	4557	7855	10/80	1	6.64	33		80.0			MS
Bissett	Fitzgerald	4605	7813	07/80	1	6.99			158.0			MS
Canoe	Peck	4533	7843	06/80	1	5.95	30		34.0			ES
Carl Wilson	Lister	4600	7836	07/80	1	6.80	56		156.0			MS
Catfish	Lister	4557	7833	07/80	1	6.30	38		52.0			MS
Clemow	Barron	4554	7755	07/80	1	6.90	66		252.0			LS
Cold Water Spring	Phelps	4627.3	7906.6	11/80	1	6.66			384.0			LS
Erables	Pentland	4600	7848	07/80	1	6.50			64.0			MS
Eustache	White	4556	7807	07/80	1	7.10	49		216.0			LS
Farncomb	Anglin	4553	7818	07/80	1	6.50	47		124.0			MS
Fools	McLaughlin	4540	7832	07/80	1	6.75	33		48.0			MS
Foys	Guthrie	4547	7753	07/80	1	6.73			158.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Frawley	Sisk	4645	7949	07/80	1	7.55	112		848.0			NS
Greenleaf	Barron	4553	7757	07/80	1	6.98	54		236.0			LS
Hailstorm	McLaughlin	4541	7833	08/80	1	6.30	43		156.0			MS
Hardtack	Airy	4533	7813	06/80	4	6.08	32		71.6			MS
Hay	Sabine	4522	7811	08/80	1	6.75	23		64.0			MS
La Chapelle	Bonfield	4617	7907	07/80	1	6.55	47		270.0			LS
Little McDougal	Wyse	4644	7914	08/80	1	7.71	73		398.0			LS
Little Otterslide	McLaughlin	4541	7836	07/80	1	5.72	24		20.0			ES
Loxton	Ballantyne	4557	7913	10/80	1	6.62	33		112.0			MS
Maple	Pentland	4601	7849	10/80	1	6.39	32		74.0			MS
McConnell	McAuslan	4644	7921	08/80	1	7.30	42		228.0			LS
McCoy	Sabine	4527	7811	06/80	1	6.60	176		304.0			LS
McKaskill	Clancy	4544	7803	07/80	1	7.18	35		272.0			LS
McNevin	Murchison	4536	7759	06/80	4	6.56	39		82.8			MS
Merchant	Bower	4546	7831	07/80	1	6.38	35		58.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Nosbonsing	East Ferris	4612	7913	07/80	1	7.00	55		272.0			LS
Otterslide	McLaughlin	4543	7836	07/80	1	6.05	39		38.0			ES
Ouse	Peck	4533	7840	06/80	1	6.45	67		126.0			MS
Provoking	Canisbay	4534	7830	07/80	1	5.70	35		24.0			ES
Rapid	Airy	4531	7813	06/80	4	6.15	36		43.8			MS
Red Cedar	McCallum	4645	7954	08/80	1	7.20	60		332.0			LS
Round Island	Dickson	4544	7812	07/80	1	6.40	39		48.0			MS
Sheedy	Bonfield	4617	7906	07/80	1	7.10	159		292.0			LS
Tanamakoon	Peck	4533	7837	07/80	1	6.00	45		36.0			ES
Three Mile	Wilkes	4559	7854	10/80	1	6.37	31		66.0			MS
Trout	Widdifield	4618	7920	07/80	1	6.92	82		176.0			MS
Tub	Murchison	4531	7758	06/80	1	6.60	34		120.0			MS
Two Rivers	Canisbay	4535	7829	07/80	1	6.00	41		48.0			MS
Wicksteed	Kenny	4646	7940	08/80	1	6.85	44		162.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Bay	Perry	4530	7912	10/80	2	6.48			55.8	90.6		MS
Bear	Monteith	4526	7935	08/80	1	6.02	24		32.0			ES
Bernard	Strong	4545	7923	09/80	1	6.75	48		118.0			MS
Big	Wallbridge	4543	8030	10/80	1	6.60	35		82.0			MS
Blackstone	Conger	4514	7953	08/80	2	6.54	44		75.4	108.4	179.1	MS
Blackstone Harbour	Conger	4509	7959	08/80	2	6.30	38		63.6		169.2	MS
Blue	Foley	4517	8000	08/80	2	6.19	25		27.2		119.4	ES
Bolger	Burton	4540	8010	10/80	1	5.72	18		16.0			ES
Bround	Conger	4513	7951	08/80	2	5.62	25		0.8		119.4	ES
Byrne	Blair	4602	8024	10/80	1	6.80	37		218.0			LS
Canoe	Cowper	4517	8003	08/80	2	6.35	26		25.2		119.4	ES
Carruthers	Christie	4522	7952	06/80	1	6.01	35		28.0			ES
Clear	Conger	4513	8003	08/80	2	6.63	28		58.2		129.4	MS
Clear	Foley	4514	7957	08/80	2	6.66	28		42.8		129.4	MS
Clear	Humphrey	4516	7947	09/80	1	5.96	27		8.0			ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Clear	Perry	4531	7916	08/80	1	7.15	37		76.0			MS
Cowper (Spider)	Cowper	4515	8003	08/80	2	6.16	32		49.0		129.4	MS
Creswicke	Cowper	4515	8006	08/80	2	6.43	30		36.4		119.4	ES
Fifteen	Bethune	4536	7910	08/80	2	6.36	35		62.2		149.3	MS
Flaxman	Christie	4520	7950	10/80	1	5.99	22		30.0			ES
Fogal	Conger	4511	7953	08/80	2	5.06	26		-4.4		99.5	A
Green Bass	Carling	4526	8007	07/80	1	6.65	28		54.0			MS
Harris	Wallbridge	4542	8022	10/80	1	6.18	32		72.0			MS
Hooton	Foley	4515	8000	08/80	2	6.04	25		58.8		109.5	MS
Hutcheson	Conger	4510	7950	08/80	2	5.98	20		14.6		99.5	ES
Isabella	Christie	4524	7949	08/80	1	6.72	28		76.0			MS
Jack	Cowper	4517	8002	08/80	2	6.19	26		30.0		119.4	ES
Kingshott	Foley	4514	8000	08/80	2	6.39	28		50.8		119.4	MS
Krapek	Conger	4513	7948	08/80	2	5.44	24		0		109.5	A
La Force	Conger	4510	7958	08/80	2	6.33	30		57.2		139.3	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Little Blackstone	Conger	4511	7959	08/80	2	6.16	44		60.4		159.2	MS
Little Joseph	Humphrey	4531	7941	03/80	5	6.48	47	15	75.0		233.8	MS
Long (Lingen)	Foley	4521	7955	08/80	2	6.08	38		16.8		119.4	ES
Loucks	Conger	4512	7948	08/80	2	5.28	24		-2.2		109.5	A
McCoy	Foley	4517	8001	08/80	2	6.26	26		29.4		119.4	ES
McDonald	Foley	4818	7959	08/80	2	6.77	40		88.0		169.2	MS
McKechie	Conger	4514	7949	08/80	2	6.80	33		90.8		169.2	MS
McNutt	Foley	4519	7956	08/80	2	6.07	48		108.4		179.1	MS
McQuillan	Conger	4512	7954	08/80	2	6.03	30		21.6		129.4	ES
Memesagamesing	Hardy	4600	8000	08/80	1	6.40	34		58.0			MS
Napken	Foley	4518	7959	08/80	2	6.20	27		34.8		119.4	ES
Nisbet	Mowat	4558	8036	10/80	1	7.77	75		484.0			LS
Oldfield	Conger	4513	7952	08/80	2	5.45	24		2.6		119.4	ES
Old Mans	Spence	4537	7939	08/80	1	6.70	43		176.0			MS
One Island	Foley	4515	7957	08/80	2	6.11	27		36.6		129.4	ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Parry Island-3 mi.	Cowper	4518	8007	08/80	2	6.11	47		125.4		199.0	MS
Partridge	Burpee	4533	8008	10/80	1	6.19	29		70.0			MS
Payne	Conger	4513	7950	08/80	2	5.79	30		45.8		159.2	MS
Peanut	Conger	4512	7958	08/80	2	6.26	22		45.2		109.5	MS
Pender	Foley	4519	7952	08/80	2	6.04	28		60.6		139.3	MS
Plate	Foley	4521	7955	08/80	2	6.11	61		69.2		159.2	MS
Portage	Conger	4513	7948	08/80	2	6.59	51		75.0			MS
Rainy	Ryerson	4532	7930	08/80	1	7.02	30		102.0			MS
Richmond	Foley	4520	7959	06/79	1	7.30			282.0			LS
Roberts	Conger	4515	7949	08/80	2	6.42	29		39.6		129.4	ES
Rock Island	Shawanaga	4533	8015	09/80	1	6.31	26		50.0			MS
Salmon	Foley	4515	7958	08/80	2	6.14	28		38.2		119.4	ES
Scott	Foley	4516	8000	08/80	2	6.20	24		29.8		119.4	ES
Shebeshekong	Carling	4526	8011	09/80	1	6.38	31		46.0			MS
Skidway	Conger	4512	7952	08/80	2	4.95	22		-9.8		89.6	A

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Smoky	Brown	4551	8015	10/80	1	6.22	25		48.0			MS
Sollman	Chapman	4540	7930	09/80	1	5.91	25		10.0			ES
Spider	Cowper	4514	8003	08/80	2	5.95	32		38.2		139.3	ES
Tatai	Foley	4520	7954	08/80	2	6.37	36		82.6		159.2	MS
Virtue	Christie	4519	7950	06/80	1	7.00	41		88.0			MS
Windfall	Foley	4517	7953	08/80	2	6.30	107		104.6	137.6	179.1	MS
Windy	Brown	4552	8011	10/80	1	6.20	25		52.0			MS
Wood's Bay	Conger	4508	8000	07/80	1	6.80	46		98.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Magnetawan River	Wallbridge	4546	8029	02/80	1	6.50	48		108.0			MS
Magnetawan River	Wallbridge	4546	8029	03/80	1	6.45	48		102.0			MS
Magnetawan River	Wallbridge	4546	8029	04/80	1	6.45	46		98.0			MS
Magnetawan River	Wallbridge	4546	8029	05/80	1	6.50	40		80.0			MS
Magnetawan River	Wallbridge	4546	8029	07/80	1	6.78	42		86.0			MS
Magnetawan River	Wallbridge	4546	8029	08/80	1	6.70	43		102.0			MS
Pickernel River	Blair	4555	8014	02/80	1	6.45	48		162.0			MS
Pickernel River	Blair	4555	8014	03/80	1	6.40	48		132.0			MS
Pickernel River	Blair	4555	8014	04/80	1	6.40	46		140.0			MS
Pickernel River	Blair	4555	8014	05/80	1	6.60	43		122.0			MS
Pickernel River	Blair	4555	8014	07/80	1	7.58	42		138.0			MS
Pickernel River	Blair	4555	8014	08/80	1	7.09	41		146.0			MS
Seguin River	McDougall	4521	8000	02/80	1	6.60	57		136.0			MS
Seguin River	McDougall	4521	8000	03/80	1	6.40	44		88.0			MS
Seguin River	McDougall	4521	8000	04/80	1	6.25	44		58.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Seguín River	McDougall	4521	8000	05/80	1	6.50	37		70.0			MS
Seguín River	McDougall	4521	8000	06/80	1	7.03	39		110.0			MS
Seguín River	McDougall	4521	8000	08/80	1	7.00	38		104.0			MS
Shawanaga River	Shawanaga	4532	8017	02/80	1	6.10	38		64.0			MS
Shawanaga River	Shawanaga	4532	8017	03/80	1	6.00	36		54.0			MS
Shawanaga River	Shawanaga	4532	8017	04/80	1	5.90	38		50.0			MS
Shawanaga River	Shawanaga	4532	8017	05/80	1	6.00	29		32.0			ES
Shawanaga River	Shawanaga	4532	8017	07/80	1	6.68	31		56.0			MS
Shawanaga River	Shawanaga	4532	8017	08/80	1	6.39	30		50.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Catchacoma Narrows	Cavendish	4443	7818	09/80	1	7.16	45		234.0			LS
Clydesdale	Chandos	4450	7801	08/80	1	8.00	106		762.0			NS
Galloway	Cavendish	4448	7823	09/80	1	7.89	139		1,212.0			NS
Lasswade	Chandos	4446	7800	08/80	1	7.29	70		416.0			LS
Mississauga	Cavendish	4442	7819	09/80	1	6.90	44		228.0			LS
Sophia	Burleigh	4441	7805	08/80	1	8.36	234		2,336.0			NS
Tallon	Chandos	4451	7803	08/80	1	8.41	195		1,872.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Acorn	Richards	4542	7737	05/81	4	6.83	31		173.0			MS
Aird	Matawatchan	4508	7705	07/80	1	7.98	182		1,840.0			NS
Arabis	Burns	4540	7749	05/81	4	6.64	49		94.4			MS
Bagot Long	Bagot	4514	7639	06/80	1	7.22	89		630.0			NS
Barry	Blithfield	4514	7645	07/80	1	8.28	173		2,092.0			NS
Beechnut	Richards	4545	7732	05/81	4	5.77	35		30.2			ES
Belanger	Blithfield	4514	7645	07/80	1	7.70	119		970.0			NS
Big Bissett	Maria	4608	7808	05/81	4	6.65	41		134.0			MS
Big Swawell	Alice	4542	7715	05/80	4	6.4	47		222.0			LS
Blithfield Long	Blithfield	4514	7645	07/80	1	7.34	93		658.0			NS
Brewster	Richards	4539	7728	05/80	4	7.15	74		470.0			LS
Brule	Hunter	4538	7849	08/80	1	5.72	26		-14.0			A
Cartier	Wylie	4557	7734	05/80	4	6.20	37		104.8			MS
Centre	Wylie	4557	7730	05/81	4	6.78	39		123.0			MS
Chateau	Maria	4606	7801	05/80	4	6.77	47		210.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Claradeer	Clara	4608	7816	05/80	4	5.6	33		38.0			ES
Coldingham	Horton	4533	7642	06/80	1	8.33	154		1,790.0			NS
Crooked	Alice	4543	7716	06/80	4	7.20	52		330.0			LS
Devils	Richards	4543	7729	06/80	4	6.27	36		142.8			MS
Eleanor	Brougham	4521	7703	08/80	1	7.60	250		2,318.0			NS
French	Admaston	4526	7651	06/80	1	8.50			2,912.0			NS
Gling	Blithfield	4514	7645	07/80	1	8.15	165		1,460.0			NS
Greenborough	Clara	4612	7819	Su/80	4	6.38	28		84.0			MS
Hardwood	Raglan	4512	7727	Sp/80	4	7.32	82		472.0			LS
Highland	Sebastopol	4521	7712	06/80	4	8.0	180		1,600			NS
Holmes	Brougham	4515	7652	08/80	1	8.01	154		1,270.0			NS
Hurd	Bagot	4524	7640	06/80	1	7.60	108		824.0			NS
Jonsons	North Algona	4539	7718	06/80	4	6.68	48		276.0			LS
Kean	Wylie	4602	7734	06/80	4	6.92	42		244.0			LS
Kelly	Fraser	4542	7719	06/80	4	6.85	44		212.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Lac Du Bois Dur	Petawawa	4553	7723	07/80	1	6.40	56		198.0			MS
Little Tooev	Brougham	4519	7701	08/80	1	8.48	260		2,348.0			NS
Long	Richards	4540	7727	06/80	4	6.93	47		258.0			LS
Lower Twin	Brougham	4519	7703	07/80	1	8.10	301		2,670.0			NS
Marble	Brougham	4515	7653	07/80	1	8.30	314		3,024.0			NS
McSourley	Head	4613	7758	05/81	4	7.11	128		352.0			LS
Moccasin	Raglan	4514	7730	06/78	4	8.10	160		1,382.0			NS
Otterson	Wylie	4602	7731	05/81	4	6.71	43		177.6			MS
Pregeon	Rolph	4608	7739	06/80	4	5.94	44		87.8			MS
St. Pierre	Blithfield	4516	7649	08/80	1	8.11	257		2,300.0			NS
Sand	McKay	4549	7727	05/81	4	6.84	50		234.0			LS
Shanty	Raglan	4510	7728	08/80	1	7.70	85		710.0			NS
Shiner	Brougham	4515	7653	07/80	1	8.50	229		2,242.0			NS
Speckled	Richards	4544	7735	05/80	4	5.74	36		32.6			ES
Stevenson	Richards	4541	7736	05/80	4	6.65	55		220.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Strong	Matawatchan	4506	7708	08/80	1	7.95	151		1,098.0			NS
Sullivan	Rolph	4607	7735	05/80	4	6.35	40		163.2			MS
Surprise	Jones	4534	7741	05/80	4	7.09	63		266.0			LS
Tee	Rolph	4609	7741	05/80	4	6.46	46		135.6			MS
Tooev	Brougham	4521	7702	07/80	1	7.99	280		2,772.0			NS
Tucker	Petawawa	4556	7724	05/80	4	6.56	41		143.8			MS
Upper Twin	Brougham	4519	7703	07/80	1	8.03	183		2,190.0			NS
Windigo	Clara	4530	7737	05/80	4	6.60	39		113.4			MS
Wolfsden	Jones	4532	7752	07/80	1	6.68	52		154.0			MS
Wylie	Wylie	4558	7733	05/80	4	6.51	28		81.8			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Acheson	Acheson	4635	8155	01/81	7	6.38	39		81.0			MS
Affleck	Carton	4715	8333	05/80	1	7.10			214.0			LS
Alexander	McKinnon	4607	8150	03/81	7	6.34	52		107.4			MS
Bagpipe	Alton	4700	8157	01/81	7	6.45	39		91.8			MS
Bardwell	Sothman	4752	8118	05/80	1	7.75	119		814.0			NS
Bear	Roosevelt	4612	8127	01/81	7	6.94	65		145.0			MS
Beckett	Edith	4733	8225	05/80	1	7.40	109		1,156.0			NS
Bernice	Benneweis	4733	8151	05/80	1	6.65	53		206.0			LS
Biggs	Biggs	4759	8242	08/80	1	6.65	47		222.0			LS
Bluewater	Craig	4646	8146	08/80	7	6.76	43		108.0			MS
Bob	MacMurchy	4736	8109	05/80	1	7.10	106		1,262.0			NS
Bonar	Bonar	4821	8305	08/80	1	7.45	125		890.0			NS
Brenan	Howey	4708	8050	06/80	1	5.69	54		4.0			ES
Bromley	Frey	4826	8159	07/80	1	7.35	122		920.0			NS
Bud	Invergarry	4728	8152	06/80	1	7.40	109		1,484.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Catcher	Ivanhoe	4807	8231	05/80	1	7.55	111		1,432.0			NS
Charcoal	Ouellette	4644	8153	01/81	7	6.14	34		24.4			ES
Como	Strathearn	4755	8330	05/80	1	7.00	76		450.0			LS
Comox	Comox	4703	8232	08/80	1	6.21	31		34.0			ES
Crab	Kilpatrick	4603	8103	05/80	1	5.65	31		16.0			ES
Dennie	Dennie	4655	8154	08/80	7	6.50	37		32.0			ES
Downes	Moncrieff	4645	8135	07/80	1	6.64	64		134.0			MS
Duke	Arden	4722	8151	06/80	1	6.50	56		232.0			LS
Fawcett	Fawcett	4732	8107	05/80	1	7.60	130		1,364.0			NS
Ferrier	English	4802	8118	07/80	1	8.20	151		1,776.0			NS
Flame	Deans	4717	8311	08/80	1	6.75	51		234.0			LS
Floranna	Floranna	4807	8319	05/80	1	7.50	100		648.0			NS
Florence	Mongowin	4607	8149	03/81	7	6.31	41		72.0			MS
Gandet	Cavell	4725	8221	05/80	1	6.50	42		126.0			MS
Gilbert	Gilbert	4650	8155	01/81	7	5.94	35		22.0			ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Gough (Birch)	Gough	4618	8158	01/81	7	6.61	37		93.8			MS
Grace	Curtin	4608	8136	01/81	7	4.75	32		-18.0			A
Grassy	Kemp	4748	8114	05/80	1	7.30	92		692.0			NS
Halliday	Halliday	4753	8112	05/80	1	7.90	109		1,388.0			NS
Hannah	Curtin	4612	8134	01/81	7	6.78	77		151.0			MS
Harry	Whigham	4800	8229	05/80	1	7.50	92		720.0			NS
Hess	Hess	4644	8132	07/80	1	6.11	38		54.0			MS
Hogsback	Oates	4819	8227	05/80	1	7.60	96		1,208.0			NS
Hope	Comox	4702	8230	08/80	1	6.02	29		24.0			ES
Iron	Afton	4657	8021	07/80	1	5.55	46		-2.0			A
Iroquois Bay	Curtin	4606	8138	09/80	1	7.30	101		506.0			NS
Ishmael	Curtin	4607	8135	03/81	7	6.33	43		75.6			MS
Ivanhoe	Ivanhoe	4806	8235	05/80	1	7.60	102		870.0			NS
Jennie	D'arcy	4757	8322	05/80	1	7.20	76		514.0			NS
Katodawa	Middleboro	4751	8148	05/80	1	6.85	118		734.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Kecil	Shedden	4616	8218	03/81	7	6.19	33		53.6			MS
Kenetogami	Stetham	4747	8138	06/80	1	6.25	37		154.0			MS
Kerr	Dunlop	4624	8152	01/81	7	6.32	30		74.0			MS
Ketchiwaboose	Cabot	4744	8126	05/80	1	7.85	114		882.0			NS
Kettle	Ethel	4701	8227	07/80	7	6.42	37		102.0			MS
Limit	Ethel	4703	8228	01/81	7	6.72	42		181.2			MS
Little Bear	Roosevelt	4611	8130	03/81	7	6.77	74		137.6			MS
Little Pogamasing	Dennie	4657	8154	01/81	7	6.67	41		96.6			MS
Little Wenebegon	Strom	4734	8303	05/80	1	7.45	67		502.0			NS
Long	Harrow	4610	8159	03/81	7	6.25	47		74.6			MS
Loon	Merritt	4613	8142	08/80	7	6.80	60		180.0			MS
Marguerite	Craig	4646	8149	08/80	1	5.72	23		10.0			ES
Marquette	Marquette	4712	8144	06/80	1	6.10	44		70.0			MS
McGuey	Dunlop	4625	8152	01/81	7	6.34	35		51.0			MS
McLander	Dunlop	4626	8154	01/81	7	6.28	31		57.4			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
McLennan	Chappise	4744	8324	07/80	1	7.53	78		566.0			NS
Mesomikenda	Somme	4740	8153	06/80	1	6.65	61		304.0			LS
Minisinakwa	St. Louis	4739	8144	06/80	1	6.60	67		318.0			LS
Mozhabong	Jasper	4657	8205	08/80	7	6.35	33		8.0			ES
Muskasenda	English	4805	8118	07/80	1	7.45	119		882.0			NS
Nabakwas1	Miramichi	4733	8127	05/80	1	7.65	106		1,314.0			NS
Nemegosenda	Chewett	4800	8307	08/80	1	7.60	128		1,120.0			NS
Nox	Haentschel	4711	8050	06/80	1	5.10	58		-6.0			A
Petrosky	Kosny	4728	8343	08/80	1	6.80	91		600.0			NS
Piano	Alton	4703	8159	01/81	7	6.34	36		51.6			MS
Pigeon	Hanmer	4642	8102	06/80	1	5.90	44		12.0			ES
Prairie Bee	Cosens	4755	8351	05/80	1	6.80	54		292.0			LS
Puswawa	Genier	4731	8343	08/80	1	7.05	87		534.0			NS
Racine	Racine	4802	8320	05/80	1	7.40	81		498.0			LS
Rand	Bowell	4646	8109	06/80	1	4.68	65		-20.0			A

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Redpine	DeMorest	4659	8043	07/80	1	5.70	40		12.0			ES
Renee	Warren	4807	8251	08/80	1	7.20	92		634.0			NS
Ringer	Truman	4613	8128	09/80	7	6.86	61		166.0			MS
Roland	Bowell	4644	8108	06/80	1	6.23	59		22.0			ES
Rushbrook	Ouellette	4644	8154	08/80	7	6.32	42		150.0			MS
St. Leonard	Foster	4614	8138	03/81	7	6.42	46		80.4			MS
Sample	Cull	4736	8332	08/80	1	6.90	95		678.0			NS
Sand	Paudash	4716	8145	06/80	1	6.30	62		166.0			MS
Sandfly	Botha	4654	8120	07/80	1	6.38	32		102.0			MS
Sans Chambre	Bowell	4642	8108	07/80	1	5.21	53		-11.0			A
Savage	Shibaning	4624	8200	09/80	7	6.33	28		24.0			ES
Saw	Ivanhoe	4809	8230	05/80	1	7.70	222		2,122.0			NS
Sawhorse	McConnell	4658	8039	07/80	1	6.76	43		142.0			MS
Seven Mile	Chappise	4743	8323	05/80	1	5.35	12		-8.0			A
Sewell	Sewell	4814	8158	07/80	1	7.50	93		666.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Shenango	Shenango	4823	8243	08/80	1	7.75	122		1,350.0			NS
Sinaminda	Gilbert	4656	8159	08/80	7	6.64	37		78.0			MS
Sloan	Foleyet	4812	8233	05/80	1	7.65	82		916.0			NS
South	Botha	4655	8120	07/80	1	6.35	52		102.0			MS
Spring	Foyleyet	4818	8227	05/80	1	7.65	213		2,408.0			NS
Squirrel	Dennie	4658	8157	08/80	7	6.30	35		48.0			MS
Stone	Busby	4817	8326	05/80	1	7.40	85		530.0			NS
Tank	Wisner	4645	8100	06/80	1	5.85	49		6.0			ES
Tassie	Hall	4723	8221	05/80	1	6.40	44		182.0			MS
Tony	DeGaulle	4737	8303	05/80	1	7.70	114		1,496.0			NS
Towchain	Tyrone	4653	8119	07/80	1	6.29	29		38.0			ES
Threecorner	Vrooman	4725	8145	06/80	1	6.40	43		134.0			MS
Upper Bark	Comox	4700	8230	07/80	1	6.55	42		94.0			MS
Vezina	Whitehead	4729	8322	08/80	1	7.25	95		686.0			NS
Vignette	Hess	4643	8132	07/80	1	6.86			116.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Wakami	Kelsey	4729	8251	05/80	1	7.30	80		476.0			LS
Wakagami	Lemoine	4813	8237	05/80	1	7.45	54		746.0			NS
Walker	Truman	4612	8130	09/80	7	6.92	78		68.0			MS
Wasiashkashi	Macbeth	4648	8020	08/80	1	7.20	72		178.0			MS
Weeduck	Chester	4734	8155	06/80	1	6.85	52		228.0			LS
West Bay	Truman	4614	8134	08/80	1	6.69	54		126.0			MS
White Rat	Birch	4720	8312	08/80	1	6.45	73		326.0			LS
Wizard	Jack	4744	8146	06/80	1	6.15	42		108.0			MS
Wrong	Lloyd	4821	8322	05/80	1	7.15	97		708.0			NS
Young Weasle	Afton	4658	8020	07/80	1	4.15	51		-32.0			A

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Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Adderly	(unorganized)	4854	8916	08/80	1	7.05	38		226.0			LS
Adrian	Adrian	4827	8949	08/80	1	7.70	138		1,246.0			NS
Albert	(unorganized)	4906	8858	07/80	1	7.60	186		956.0			NS
Anders	(unorganized)	4900	8855	03/80	1	7.65	118		524.0			NS
Arrow	(unorganized)	4810	9016	08/80	1	7.90	86		652.0			NS
Avey	(unorganized)	4959	9000	07/80	1	6.56	23		100.0			MS
Bamoos	O'Neill	4849	8621	06/80	1	6.15	37		36.0			ES
Barrington	Heathcote	5016	9018	08/80	1	6.90	35		236.0			LS
Bass	McTavish	4839	8844	08/80	1	8.10	110		978.0			NS
Bat	Dorion	4848	8837	03/80	1	7.10	68		240.0			LS
Batwing	(unorganized)	4827	9011	07/80	1	6.90	34		196.0			MS
Beacon	(unorganized)	5013	8854	07/80	1	8.22	109		1,012.0			NS
Beatty	(unorganized)	4902	8843	03/80	1	7.60	347		1,864.0			NS
Beaverkit	Jacques	4839	8921	07/80	1	5.15	27		12.0			ES
Bendall	(unorganized)	5104	8828	07/80	1	8.15	116		1,120.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Big	(unorganized)	5024	8900	07/80	1	6.81	28		164.0			MS
Bishop	Glen	4850	8839	05/80	1	7.60	185		1,612.0			NS
Boomerang	(unorganized)	4917	8623	05/80	1	7.67	125		948.0			NS
Boot	(unorganized)	4851	8919	07/80	1	7.05	37		194.0			MS
Boulder	(unorganized)	5013	8928	06/80	1	6.95	34		192.0			MS
Brown	Homer	4759	8549	06/80	1	7.28	81		358.0			LS
Burness	(unorganized)	5104	8724	06/80	1	7.37	80		572.0			NS
Cameron	Hardwick	4810	9006	04/80	1	6.65	19		114.0			MS
Caragana	(unorganized)	4914	8644	05/80	1	7.55	74		536.0			NS
Cedar	Michipicoten Is.	4744	8551	07/80	1	7.10	48		254.0			LS
Chambers	(unorganized)	4826	9019	04/80	1	6.45	16		86.0			MS
Channel	Michipicoten Is.	4744	8547	06/80	1	7.03	55		258.0			LS
Chub	Scoble	4816	8934	04/80	1	6.45	25		138.0			MS
Collaton	(unorganized)	5041	8900	07/80	1	7.09	34		242.0			LS
Collins	(unorganized)	5016	8925	06/80	1	7.05	29		200.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Colville	(unorganized)	4901	8918	05/80	1	6.55	21		118.0			MS
Commando	(unorganized)	4905	8847	03/80	1	7.90	326		1,500.0			NS
Concord	(unorganized)	4929	8633	06/80	1	7.40	89		598.0			NS
Cornish	(unorganized)	4913	8634	06/80	1	7.41	100		626.0			NS
Cyth	(unorganized)	4916	9021	03/80	1	5.95	16		6.0			ES
Dazzle	(unorganized)	5044	8837	07/80	1	8.28	114		1,386.0			NS
Dead	Cecile	4838	8523	07/80	1	8.31	227		2,340.0			NS
Dead Otter	(unorganized)	4853	8546	07/80	1	7.65	73		894.0			NS
Dewy	(unorganized)	5038	8837	07/80	1	8.45	169		1,898.0			NS
Disraeli	(unorganized)	4907	8859	05/80	1	7.70	88		644.0			NS
D'orsonnens	(unorganized)	5054	8813	06/80	1	7.99	119		1,536.0			NS
Drift	(unorganized)	4841	9005	07/80	1	6.85	40		218.0			LS
East Jinx	Lybster	4816	8953	04/80	1	7.75	155		1,344.0			NS
East Pennock	Aldina	4820	8954	04/80	1	6.50	16		108.0			MS
Elbow	McTavish	4841	8844	05/80	1	6.50	17		82.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Elga	McGillis	5026	9018	08/80	1	6.10	16		38.0			ES
Eleph	(unorganized)	4914	8958	08/80	1	7.95	165		1,494.0			NS
Ellen	(unorganized)	4808	8524	08/80	1	6.60	37		128.0			MS
Elm	(unorganized)	4904	8846	03/80	1	8.00	278		1,270.0			NS
Evelyn	(unorganized)	4904	8857	07/80	1	7.85	111		884.0			NS
Everest	(unorganized)	4917	8554	06/80	1	7.30	83		592.0			NS
Falcon	(unorganized)	5028	8804	07/80	1	7.36	44		336.0			LS
Fearless	(unorganized)	4837	8543	08/80	1	7.92	103		1,166.0			NS
Ficht	(unorganized)	5111	8550	07/80	1	8.13	118		1,018.0			NS
Fleming	Exton	5007	8656	06/80	1	7.92	114		1,358.0			NS
Flet	Fletcher	5022	9013	09/80	1	6.90	40		276.0			LS
Fog	Cockeram	4903	8838	03/80	1	8.15	345		1,194.0			NS
Forbes	(unorganized)	4904	8851	07/80	1	7.80	191		1,596.0			NS
Forrester	(unorganized)	4843	9014	07/80	1	7.40	48		342.0			LS
Foxtrap	(unorganized)	4856	8641	06/80	1	7.68	98		1,096.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Frank	(unorganized)	5010	8753	07/80	1	8.06	109		888.0			NS
Fullerton	(unorganized)	4956	8725	06/80	1	7.80	96		1,018.0			NS
Gall	(unorganized)	4914	8959	08/80	1	8.10	206		1,934.0			NS
Garham	(unorganized)	4901	8529	06/80	1	7.80	111		924.0			NS
Gibson	(unorganized)	4820	8520	07/80	1	6.86	67		376.0			LS
Goldsborough	(unorganized)	5040	8920	08/80	1	7.07	35		211.0			LS
Goodchild	(unorganized)	4852	8612	06/80	1	7.60	87		866.0			NS
Goodman	Gorham	4836	8918	07/80	1	7.20	55		380.0			LS
Gosling	(unorganized)	4949	9027	07/80	1	6.65	22		108.0			MS
Granite	(unorganized)	5029	8946	08/80	1	7.20	32		188.0			MS
Gunter	(unorganized)	4954	8951	07/80	1	6.32	24		120.0			MS
Gzowski	Gzowski	5015	8732	07/80	1	7.31	109		834.0			NS
Havoc	(unorganized)	4953	8903	07/80	1	8.60	302		1,796.0			NS
Hayward	(unorganized)	4834	8558	08/80	1	7.50	108		804.0			NS
Heafur	Smye	5020	9018	08/80	1	7.05	38		242.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Heathcote	Heathcote	5017	9021	08/80	1	7.25	39		254.0			LS
Henderson	(unorganized)	4904	8850	07/80	1	9.25	136		1,178.0			NS
Herrick	(unorganized)	4836	8557	08/80	1	7.33	85		550.0			NS
Hollingsworth	(unorganized)	5035	8858	06/80	1	7.35	28		206.0			LS
Hoof	(unorganized)	4829	9022	03/80	1	6.90	51		236.0			LS
Hutchison	Fulford	4947	8657	06/80	1	8.10	148		1,618.0			NS
Ice	Herbert	4910	8527	06/80	1	8.20	211		2,544.0			NS
Jackfish	Syine	4850	8657	07/80	1	7.88	115		660.0			NS
Jolly	(unorganized)	4910	8928	08/80	1	7.60	68		548.0			NS
Jungfrau	(unorganized)	5039	8646	06/80	1	7.64	127		1,000.0			NS
Junior	(unorganized)	5025	8751	07/80	1	7.55	45		616.0			NS
Kabaigon	(unorganized)	4840	9016	07/80	1	8.00	74		610.0			NS
Kabossakwa	Mikano	4851	8525	08/80	1	8.01	114		1,342.0			NS
Kallio	(unorganized)	4836	8857	03/80	1	6.60	79		196.0			MS
Katzenbach	(unorganized)	4804	8520	08/80	1	6.84	38		154.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Keelor	(unorganized)	4852	8910	05/80	1	6.20	31		66.0			MS
Kegmus	(unorganized)	4827	9016	07/80	1	6.30	24		82.0			MS
Kentron	(unorganized)	4911	8627	06/80	1	7.06	52		326.0			LS
Ketchikan	(unorganized)	5022	8754	07/80	1	7.85	112		916.0			NS
Kink	Homer	4759	8548	06/80	1	7.25	68		292.0			LS
Knight	(unorganized)	5010	8017	08/80	1	7.51	49		346.0			LS
Kwinkwaga	Flood	4848	8520	08/80	1	7.66	114		1,260.0			NS
Leckie	(unorganized)	4903	8858	07/80	1	7.80	81		644.0			NS
Leigh	(unorganized)	4954	8947	07/80	1	6.63	30		168.0			MS
Lime	(unorganized)	4914	8915	03/80	1	7.00	259		1,178.0			NS
Linklater	(unorganized)	5033	8848	07/80	1	7.06	57		446.0			LS
Little Kabaigon	Haines	4840	9018	08/80	1	6.77	55		214.0			LS
Little Santoy	Syine	4849	8655	07/80	1	8.35	123		1,324.0			NS
Little Stone	(unorganized)	5034	8740	06/80	1	8.10	119		1,284.0			NS
Little Trout	(unorganized)	4756	8526	06/80	1	6.12	25		44.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Liver	(unorganized)	4837	8856	03/80	1	6.60	65		190.0			MS
Loken	Nickle	4913	8537	06/80	1	7.15	139		1,032.0			NS
Lookout	(unorganized)	5004	8954	07/80	1	6.71	30		142.0			MS
Lucy	Kowkash	5019	8710	06/80	1	8.25	190		2,246.0			NS
Manitouwadge	Gertrude	4908	8548	05/80	1	7.28	128		1,022.0			NS
Maple	(unorganized)	4800	8533	06/80	1	6.94	36		142.0			MS
Margo	(unorganized)	4949	8621	06/80	1	8.18	204		2,184.0			NS
McCrea	(unorganized)	4822	8530	08/80	1	6.91	55		262.0			LS
McIntyre	(unorganized)	5010	8919	06/80	1	7.32	50		430.0			LS
McLeod	(unorganized)	4932	8633	06/80	1	8.29	196		2,348.0			NS
Metionga	(unorganized)	4943	9028	07/80	1	6.86	39		252.0			LS
Mior	(unorganized)	4838	9029	07/80	1	7.80	96		730.0			NS
Mishi	(unorganized)	4805	8521	08/80	1	6.92	42		148.0			MS
Mishibishu	(unorganized)	4805	8525	08/80	1	6.62	41		118.0			MS
Moraine	(unorganized)	4900	8851	03/80	1	7.65	136		602.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Mustela	(unorganized)	4931	8617	06/80	1	7.80	109		1,348.0			NS
Myrt	(unorganized)	4827	9044	03/80	1	6.65	34		94.0			MS
Napper	(unorganized)	5058	8810	06/80	1	7.42	78		592.0			NS
Nelson	(unorganized)	4827	9032	03/80	1	6.70	41		102.0			MS
North Lamaune	(unorganized)	5025	8806	07/80	1	7.10	91		332.0			LS
Omdahl	(unorganized)	5048	8929	07/80	1	6.95	46		326.0			LS
Paul #2	Hardwick	4809	9005	08/80	1	8.37	79		630.0			NS
Parella	(unorganized)	5021	8842	07/80	1	6.95	35		246.0			LS
Pete	Marks	4822	8953	07/80	1	7.50	48		320.0			LS
Pipe	(unorganized)	4758	8543	06/80	1	7.14	52		260.0			LS
Poppy	(unorganized)	4917	8525	06/80	1	7.17	139		1,358.0			NS
Poshkokagan	(unorganized)	4916	8918	03/80	1	7.30			536.0			NS
Pothole	Lybster	4813	8953	04/80	1	6.10	10		68.0			MS
Pride	McGillis	5025	9024	08/80	1	7.35	52		394.0			LS
Radio	(unorganized)	4930	9016	07/80	1	6.75	34		164.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Redsand	(unorganized)	4948	9004	07/80	1	6.30	16		52.0			MS
Ruffle	(unorganized)	4904	8643	05/80	1	7.80	105		906.0			NS
Scandrett	(unorganized)	4900	8919	05/80	1	6.30	17		82.0			MS
Seagull	(unorganized)	4901	8854	07/80	1	7.40	88		648.0			NS
Seymour	(unorganized)	5024	8824	07/80	1	7.60	116		990.0			NS
Shafton	Hagey	4840	9014	07/80	1	7.60	90		720.0			NS
Shale	(unorganized)	4854	8843	05/80	1	7.50	160		1,094.0			NS
Shell	(unorganized)	4918	9016	08/80	1	7.25	37		318.0			LS
Sherlock	(unorganized)	5146	8656	06/80	1	7.10	36		276.0			LS
Sigh	(unorganized)	4900	8853	03/80	1	6.70	42		108.0			MS
Silver	Syme	5025	9022	08/80	1	7.00	50		372.0			LS
Sitch	Ames	4839	9038	04/80	1	6.20	26		48.0			MS
Skarott	(unorganized)	5119	8755	06/80	1	7.48	116		858.0			NS
Souter	(unorganized)	5054	8905	07/80	1	7.30	47		356.0			LS
Sturge	(unorganized)	4907	8851	07/80	1	7.80	110		886.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Sunglow	(unorganized)	5036	8812	07/80	1	7.20	80		600.0			NS
Sunset	Lismore	4812	8956	07/80	1	7.50	60		394.0			LS
Swallow	(unorganized)	4827	9019	04/80	1	6.85	24		110.0			MS
Timmus	(unorganized)	4840	8905	03/80	1	6.60	65		88.0			MS
Toronto	(unorganized)	5021	8748	07/80	1	7.30	97		754.0			NS
Treptow	(unorganized)	4952	8712	06/80	1	7.80	107		1,128.0			NS
Unknown	(unorganized)	4859	8843	03/80	1	7.00	44		144.0			MS
Upper Clearwater	(unorganized)	4857	8855	07/80	1	7.32	90		578.0			NS
Upper Sabrina	(unorganized)	4842	9016	07/80	1	7.10	37		218.0			LS
Van Ness	(unorganized)	5024	8943	07/80	1	6.05	19		86.0			MS
Virginian	McGillis	5025	9020	08/80	1	7.10	52		402.0			LS
Wabikoba	(unorganized)	4847	8545	07/80	1	8.28	81		1,252.0			NS
Walkinshaw	(unorganized)	4838	8904	07/80	1	6.85	69		170.0			MS
Warnica	Jacques	4839	8917	07/80	1	6.90	45		156.0			MS
Wartman	Fowler	4840	8924	05/80	1	6.05	13		50.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Weaver	(unorganized)	4934	9010	07/80	1	6.60	42		238.0			LS
West Jinx	Lybster	4814	8953	07/80	1	7.47	163		1,352.0			NS
West Pennock	Aldina	4821	8956	08/80	1	7.30	25		272.0			LS
White	(unorganized)	4847	8537	08/80	1	7.99	114		1,246.0			NS
Whitefish	Lismore	4813	9000	08/80	1	8.50	108		856.0			NS
White Otter	(unorganized)	4928	8533	06/80	1	7.78	119		1,524.0			NS
Whitelily	(unorganized)	4840	8905	07/80	1	6.90	77		250.0			LS
Wiggins	Dorion	4849	8843	07/80	1	7.40	53		414.0			LS
Wilkie	Fletcher	5024	9015	09/80	1	6.65	25		132.0			MS
Yea	(unorganized)	4856	8853	07/80	1	8.10	265		2,230.0			NS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Angler	Dane	4722	8007	08/80	17	5.20	35		-6.2			A
Anima Nipissing	Brigstocke	4714	7957	08/80	17	6.82	45		66.8			MS
Anvil	Van Nostrand	4725	8016	08/80	17	6.30	35		26.2			ES
Aston	Cole	4714	8006	08/80	17	6.91	45		123.4			MS
Banks	Trethewey	4729	8024	08/80	17	5.75	33		2.2			ES
Barter	Cole	4717	8006	08/80	17	6.44	41		40.6			MS
Beland	South Lorrain	4703	7929	08/80	17	6.36	41		61.4			MS
Bergeron	Van Nostrand	4727	8015	08/80	17	6.06	34		14.4			ES
Best	Brigstocke	4715	7950	08/80	17	7.26	55		203.6			LS
Big Chief	Klock	4729	8006	08/80	17	5.54	36		-0.2			A
Bouck	Lorrain	4716	7937	08/80	17	7.64	110		785.8			NS
Burt	Burt	4805	8022	06/80	1	6.75	67		346.0			LS
Calcite	Nicol	4740	8040	06/80	1	6.60	111		658.0			NS
Cassidy	Gillies Limit	4722	7943	08/80	17	8.26	126		884.0			NS
Clear	Bayly	4751	7941	06/80	1	5.85	31		38.0			ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Cooke	Willet	4736	8021	06/80	1	6.00	45		96.0			MS
Cooper	South Lorrain	4703	7930	08/80	17	6.66	43		98.2			MS
Diabase	Brigstocke	4715	8001	08/80	17	6.99	52		159.2			MS
Fourbass	South Lorrain	4706	7932	08/80	17	6.98	72		298.0			LS
Gamble	Gamble	4724	8033	08/80	17	6.96	49		203.4			LS
Gorrie	South Lorrain	4707	7933	08/80	17	6.82	50		151.4			MS
Grays	Whitson	4726	8023	08/80	17	5.16	33		-6.0			A
Greenwater	Van Nostrand	4729	8015	08/80	17	6.66	37		68.2			MS
Gullrock	Brigstocke	4719	7956	08/80	17	5.04	40		-10.4			A
Hangingstone	Leith	4734	8048	06/80	1	6.50	50		206.0			LS
Hearst	Gillies Limit	4718	7946	08/80	17	5.83	34		9.8			ES
Highfalls	Kittson	4723	7959	08/80	17	6.74	39		86.4			MS
Hill	Bryce	4744	8003	06/80	1	8.05	222		2,154.0			NS
Jerry	Gamble	4722	8039	08/80	17	4.90	38		2.2			ES
Justin	Coleman	4721	7953	08/80	17	4.93	31		2.0			ES

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Kinogami	Sharpe	4753	8013	06/80	1	7.20	111		836			NS
Kitt	Kittson	4721	7955	08/80	17	6.67	52		125.6			MS
Klock	Klock	4728	8008	08/80	17	4.84	34		-16.2			A
Kushog	Sharpe	4755	8015	06/80	1	7.15	109		884.0			NS
Lady Dufferin	Donovan	4727	8043	08/80	17	6.73	43		97.2			MS
Lady Evelyn	Leo	4720	8010	08/80	17	6.26	38		37.2			ES
Lady Sydney	Leo	4724	8012	08/80	17	5.46	36		0.4			ES
Lepha	Auld	4932	8003	08/80	17	5.99	35		10.2			ES
Lulu	Corley	4724	8045	08/80	17	5.15	32		-7.0			A
Makobe	Trethewey	4726	8025	08/80	17	5.34	32		-.24			A
Marina	Corley	4724	8040	08/80	17	5.29	34		-4.0			A
Matachewan	Baden	4803	8043	09/80	1	7.70	139		1,294.0			NS
McGiffin	McGiffin	4722	8028	08/80	17	6.84	44		93.0			MS
McKenzie	Speight	4734	8013	08/80	17	6.65	48		69.8			MS
Mendelssohn	Speight	4732	8012	08/80	17	6.53	39		43.0			MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Metkemodo	Knight	4741	8057	06/80	1	7.00	81		484.0			LS
Middleton	Flavelle	4759	8030	06/80	1	6.20	54		128.0			MS
Mountain	Brigstocke	4714	7950	08/80	17	6.97	62		265.2			LS
Munro	Speight	4734	8012	08/80	17	6.64	48		86.8			MS
Niccolite	Van Nostrand	4728	8015	08/80	17	5.78	37		24.2			ES
Okiniada	Donovan	4728	8046	08/80	17	5.61	34		0			A
Pallet	Nordica	4816	8039	06/80	1	6.35	36		162.0			MS
Papakomeka	McArthur	4816	8118	07/80	1	7.20	116		942.0			NS
Pharand	Pharand	4807	8148	07/80	1	6.90	81		558.0			NS
Philbrick	Speight	4733	8013	08/80	17	7.12	58		181.8			MS
Rib	Gillies Limit	4713	7943	08/80	17	7.32	80		264.6			LS
Robillard	Robillard	4749	8008	06/80	1	7.30	106		850.0			NS
Roosevelt	Gillies Limit	4716	7942	08/80	17	6.57	45		88.8			MS
Rozon	Arnold	4816	7953	06/80	1	8.35	111		1,300.0			NS
St. Anthony	Skead	4758	7943	06/80	1	6.80	61		278.0			LS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Sasaginaga	Coleman	4724	7942	08/80	17	7.76	138		967.4			NS
Shillington	Shillington	4746	8039	10/80	1	7.40	91		486.0			LS
Skeleton	Bayly	4752	7939	06/80	1	6.60	54		242.0			LS
Skull	Banks	4731	8016	08/80	17	6.48	35		38.2			ES
Smith	Corley	4723	8.46	08/80	17	5.49	32		-2.2			A
Smoothwater	Corley	4724	8041	08/80	17	5.79	37		1.6			ES
Southbear	Corkill	4731	8033	06/80	1	6.65	50		218.0			LS
Stumpy	Nicol	4735	8045	06/80	1	6.40	47		100.0			MS
Sugar	Dane	4721	8006	08/80	17	6.26	40		37.2			ES
Sunnywater	Gamble	4724	8037	08/80	17	4.57	36		-28.8			A
Tooth	South Lorrain	4711	7930	08/80	17	7.62	87		498.2			LS
Trethewey	Trethewey	4726	8030	08/80	17	5.61	36		3.0			ES
Turner	Cole	4717	8005	08/80	17	5.56	36		-1.0			A
Walsh	Medina	4715	8011	08/80	17	6.75	40		83.4			MS
Wendigo	Bayly	4752	7943	06/80	1	6.75	107		368.0			LS

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Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Andrews	Longford	4457	7858	02/81	5	6.35	28		62.2		109.5	MS
Andrews	Longford	4457	7858	07/80	2	6.58	29		66.4		119.4	MS
Big Duck	Longford	4454	7857	02/81	5	6.16	30		75.0		129.4	MS
Big Duck	Longford	4454	7857	07/80	2	6.43	28	15	47.4		129.4	MS
Big Trout	Longford	4455	7856	02/81	5	6.22	30		67.8		119.4	MS
Big Trout	Longford	4455	7856	07/80	2	5.98	28	20	38.0		119.4	ES
Boot Bay	Longford	4456	7900	07/80	2	6.72	30		91.6		139.3	MS
Browns	Longford	4456	7900	02/81	5	6.29	31		84.0		119.4	MS
Browns	Longford	4456	7900	07/80	2	6.19	30		70.6		139.3	MS
Cranberry	Dalton	4446	7903	02/81	5	5.99	34		132.6		149.3	MS
Crotchet	Longford	4457	7856	02/81	5	6.53	31		66.2		119.4	MS
Fisher	Longford	4445	7855	02/81	5	5.67	30		56.8		129.4	MS
Fisher	Longford	4445	7855	07/80	2	5.87	30	30	45.0		139.3	MS
Iron	Longford	4456	7901	07/80	2	6.16	28		90.0		119.4	MS
Little Boot	Longford	4456	7858	07/80	2	6.59	24	10	68.6		119.4	MS

Site	Township	Latitude	Longitude	Sample Dates	Study No.	pH	Cond. at 25° (umhos/cm)	Colour (Hazen units)	Inflection Pt. Alk. (ueq/l)	Fixed Endpt. Alk. (ueq/l)	Calcium (ueq/l)	Class
Logan	Longford	4452	7859	02/81	5	6.02	30		79.0		119.4	MS
Murphy	Longford	4456	7858	07/80	2	5.77	32		44.4		139.3	MS
Sickle	Longford	4458	7858	02/81	5	6.31	28		70.6		109.5	MS
Smudge	Digby	4449	7858	10/80	1	6.25	22		80.0			MS
Thrasher	Longford	4455	7859	02/81	5	5.80	30		40.4		109.5	MS
Thrasher	Longford	4455	7859	07/80	2	6.05	28		43.0		119.4	MS
Young	Dalton	4443	7910	02/81	5	7.45			1,770.0			NS

